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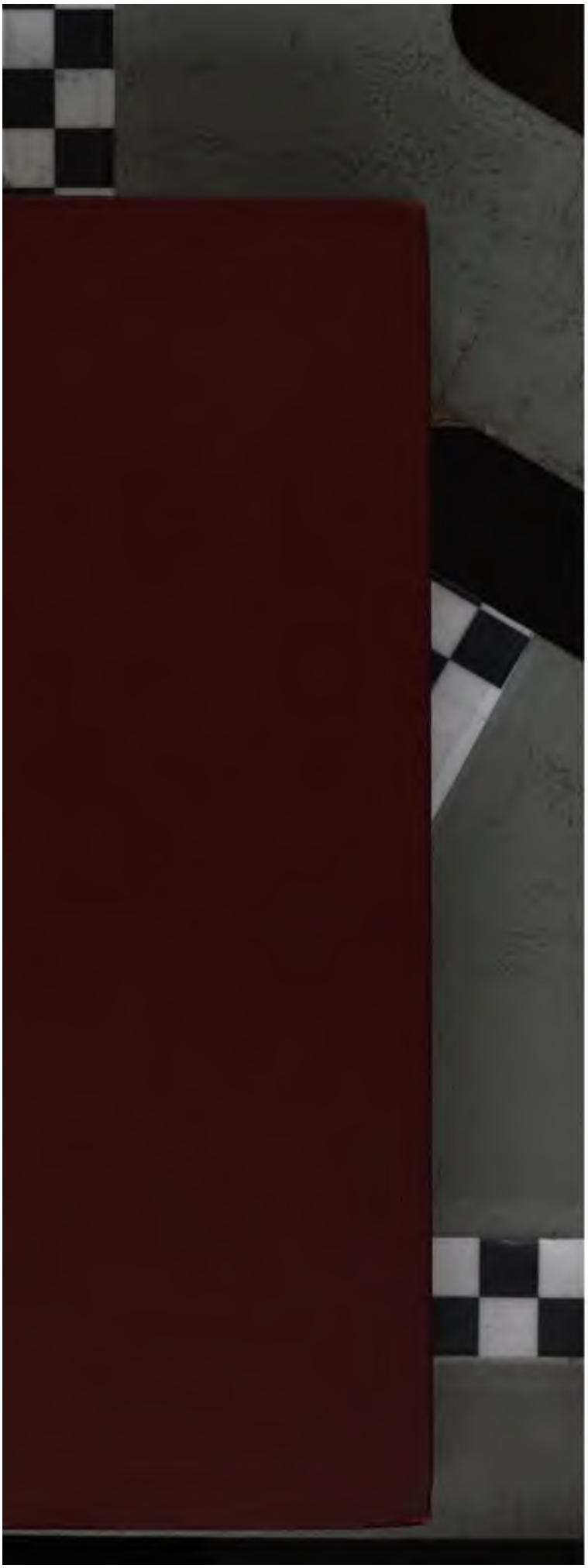

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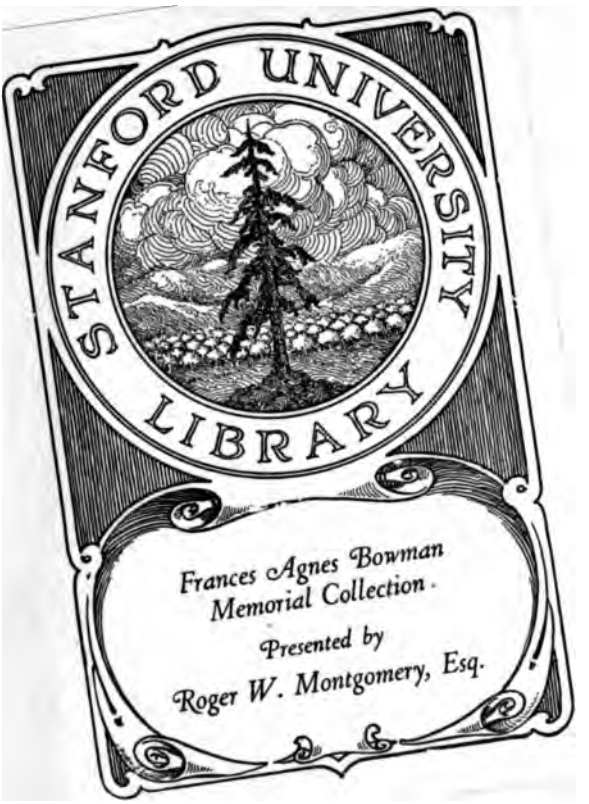
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Shooting at a Mark

HUNTING TRIPS OF A RANCHMAN

SKETCHES OF SPORT ON THE NORTHERN CATTLE PLAINS

By

THEODORE ROOSEVELT

VOLUME I

NEW YORK
CHARLES SCRIBNER'S SONS
1906

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TO THAT
KEENEST OF SPORTSMEN
AND
TRUEST OF FRIENDS
MY BROTHER
ELLIOTT ROOSEVELT

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HUNTING TRIPS OF A RANCHMAN

CHAPTER I

RANCHING IN THE BAD LANDS

THE great middle plains of the United States, parts of which are still scantily peopled, by men of Mexican parentage, while other parts have been but recently won from the war-like tribes of Horse Indians, now form a broad pastoral belt, stretching in a north and south line from British America to the Rio Grande. Throughout this great belt of grazing land almost the only industry is stock-raising, which is here engaged in on a really gigantic scale; and it is already nearly covered with the ranches of the stockmen, except on those isolated tracts (often themselves of great extent) from which the red men look hopelessly and sullenly out upon their old hunting-grounds, now roamed over by the countless herds of long-horned cattle. The northern portion of this belt is that which has been most lately thrown open to

the whites; and it is with this part only that we have to do.

The Northern cattle plains occupy the basin of the Upper Missouri; that is, they occupy all of the land drained by the tributaries of that river, and by the river itself, before it takes its long trend to the southeast. They stretch from the rich wheat farms of Central Dakota to the Rocky Mountains, and southward to the Black Hills and the Big Horn chain, thus including all of Montana, Northern Wyoming, and extreme Western Dakota. The character of this rolling, broken, plains country is everywhere much the same. It is a high, nearly treeless region, of light rainfall, crossed by streams which are sometimes rapid torrents and sometimes merely strings of shallow pools. In places, it stretches out into deserts of alkali and sage-brush, or into nearly level prairies of short grass, extending many miles without a break; elsewhere there are rolling hills, sometimes of considerable height; and in other places the ground is rent and broken into the most fantastic shapes, partly by volcanic action and partly by the action of water in a dry climate. These latter portions form the famous Bad Lands. Cottonwood trees fringe the streams or stand in groves on the alluvial bottoms of the rivers; and some of the steep hills and canyon sides are clad with pines or stunted cedars. In the

early spring, when the young blades first sprout, the land looks green and bright; but during the rest of the year there is no such appearance of freshness, for the short bunch-grass is almost brown, and the gray-green sage bush, bitter and withered-looking, abounds everywhere, and gives a peculiarly barren aspect to the landscape.

It is but little over half a dozen years since these lands were won from the Indians. They were their only remaining great hunting-grounds, and towards the end of the last decade all of the Northern plains tribes went on the war-path in a final desperate effort to preserve them. After bloody fighting and protracted campaigns, they were defeated, and the country thrown open to the whites, while the building of the Northern Pacific Railroad gave immigration an immense impetus. There were great quantities of game, especially buffalo, and the hunters who thronged in to pursue the huge herds of the latter were the rough forerunners of civilization. No longer dreading the Indians, and having the railway on which to transport the robes, they followed the buffalo in season and out, until, in 1883, the herds were practically destroyed. But, meanwhile, the cattlemen formed the vanguard of the white settlers. Already the hardy Southern stockmen had passed up with their wild-looking herds to the very border of the dangerous land,

and even into it, trusting to luck and their own prowess for their safety; and the instant the danger was even partially removed, their cattle swarmed northward along the streams. Some Eastern men, seeing the extent of the grazing country, brought stock out by the railroad, and the short-horned beasts became almost as plenty as the wilder-looking Southern steers. At the present time, indeed, the cattle of these Northern ranges show more short-horn than long-horn blood.

Cattle-raising on the plains, as now carried on, started in Texas, where the Americans had learned it from the Mexicans whom they dispossessed. It has only become a prominent feature of Western life during the last score of years. When the Civil War was raging, there were hundreds of thousands of bony, half-wild steers and cows in Texas, whose value had hitherto been very slight; but toward the middle of the struggle they became a most important source of food supply to both armies, and when the war had ended, the profits of the business were widely known and many men had gone into it. At first, the stock-raising was all done in Texas, and the beef-steers, when ready for sale, were annually driven north along what became a regular cattle trail. Soon the men of Kansas and Colorado began to start ranches, and Texans who were getting crowded out moved

their herds north into these lands, and afterward into Wyoming. Large herds of yearling steers also were, and still are, driven from the breeding ranches of the South to some Northern range, there to be fattened for three years before selling. The cattle trail led through great wastes, and the scores of armed cowboys who, under one or two foremen, accompanied each herd, had often to do battle with bands of hostile Indians; but this danger is now a thing of the past, as, indeed, will soon be the case with the cattle trail itself, for year by year the grangers press steadily westward into it, and when they have once settled in a place, will not permit the cattle to be driven across it.

In the Northern country, the ranches vary greatly in size: on some there may be but a few hundred head, on others ten times as many thousand. The land is still in great part unsurveyed, and is hardly anywhere fenced in, the cattle roaming over it at will. The small ranches are often quite close to one another, say within a couple of miles; but the home ranch of a big outfit will not have another building within ten or twenty miles of it, or, indeed, if the country is dry, not within fifty. The ranch-house may be only a mud dugout, or a "shack" made of logs stuck upright in the ground; more often, it is a fair-sized, well-made building of hewn logs, divided into several rooms.

Around it are grouped the other buildings—log stables, cow-sheds, and hay-ricks, an outhouse in which to store things, and, on large ranches, another house in which the cowboys sleep. The strongly made, circular horse-corral, with a snubbing-post in the middle, stands close by; the larger cow-corral, in which the stock is branded, may be some distance off. A small patch of ground is usually enclosed as a vegetable garden, and a very large one, with water in it, as a pasture to be used only in special cases. All the work is done on horseback, and the quantity of ponies is thus of necessity very great, some of the large outfits numbering them by hundreds; on my own ranch there are eighty. Most of them are small, wiry beasts, not very speedy, but with good bottom, and able to pick up a living under the most adverse circumstances. There are usually a few large, fine horses kept for the special use of the ranchman or foreman. The best are those from Oregon; most of them come from Texas, and many are bought from the Indians. They are broken in a very rough manner, and many are in consequence vicious brutes, with the detestable habit of bucking. Of this habit I have a perfect dread, and, if I can help it, never get on a confirmed bucker. The horse puts his head down between his forefeet, arches his back, and with stiff legs gives a succession of jarring jumps, often "chang-

ing ends" as he does so. Even if a man can keep his seat, the performance gives him about as uncomfortable a shaking up as can be imagined.

The cattle rove free over the hills and prairies, picking up their own living even in winter, all the animals of each herd having certain distinctive brands on them. But little attempt is made to keep them within definite bounds, and they wander whither they wish, except that the ranchmen generally combine to keep some of their cowboys riding lines to prevent them straying away altogether. The missing ones are generally recovered in the annual round-ups, when the calves are branded. These round-ups, in which many outfits join together, and which cover hundreds of miles of territory, are the busiest periods of the year for the stockmen, who then, with their cowboys, work from morning till night. In winter, little is done except a certain amount of line riding.

The cowboys form a class by themselves, and are now quite as typical representatives of the wilder side of Western life as were a few years ago the skin-clad hunters and trappers. They are mostly of native birth, and although there are among them wild spirits from every land, yet the latter soon become undistinguishable from their American companions, for these plainsmen are far from being so heterogeneous as is commonly supposed. On the contrary, all have a curious

similarity to each other; existence in the West seems to put the same stamp upon each and every one of them. Sinewy, hardy, self-reliant, their life forces them to be both daring and adventurous, and the passing over their heads of a few years leaves printed on their faces certain lines which tell of dangers quietly fronted and hardships uncomplainingly endured. They are far from being as lawless as they are described; though they sometimes cut queer antics when, after many months of lonely life, they come into a frontier town in which drinking and gambling are the only recognized forms of amusement, and where pleasure and vice are considered synonymous terms. On the round-ups, or when a number get together, there is much boisterous, often foul-mouthed, mirth; but they are rather silent, self-contained men when with strangers, and are frank and hospitable to a degree. The Texans are perhaps the best at the actual cowboy work. They are absolutely fearless riders and understand well the habits of the half-wild cattle, being unequalled in those most trying times when, for instance, the cattle are stampeded by a thunderstorm at night, while in the use of the rope they are only excelled by the Mexicans. On the other hand, they are prone to drink, and, when drunk, to shoot. Many Kansans, and others from the Northern States, have also taken up the life of

late years, and though these scarcely reach, in point of skill and dash, the standard of the Southerners, who may be said to be born in the saddle, yet they are to the full as resolute and even more trustworthy. My own foremen were originally Eastern backwoodsmen.

The cowboy's dress is both picturesque and serviceable, and, like many of the terms of his pursuit, is partly of Hispano-Mexican origin. It consists of a broad felt hat, a flannel shirt, with a bright silk handkerchief loosely knotted round the neck, trousers tucked into high-heeled boots, and a pair of leather "shaps" (*chaperajos*) or heavy riding overalls. Great spurs and a large-calibre revolver complete the costume. For horse gear there is a cruel curb bit, and a very strong, heavy saddle with high pommel and cantle. This saddle seems needlessly weighty, but the work is so rough as to make strength the first requisite. A small pack is usually carried behind it; also saddle pockets, or small saddle-bags; and there are strings wherewith to fasten the loops of the rawhide lariat. The pommel has to be stout, as one end of the lariat is twisted around it when work is to be done, and the strain upon it is tremendous when a vigorous steer has been roped, or when, as is often the case, a wagon gets stuck and the team has to be helped out by one of the riders hauling from the saddle. A ranchman or foreman

dresses precisely like the cowboys, except that the materials are finer, the saddle leather being handsomely carved, the spurs, bit, and revolver silver-mounted, the shaps of sealskin, etc. The revolver was formerly a necessity, to protect the owner from Indians and other human foes; this is still the case in a few places, but, as a rule, it is now carried merely from habit, or to kill rattlesnakes, or on the chance of falling in with a wolf or coyote, while not unfrequently it is used to add game to the cowboy's not too varied bill of fare.

A cowboy is always a good and bold rider, but his seat in the saddle is not at all like that of one of our Eastern or Southern fox-hunters. The stirrups are so long that the man stands almost erect in them, from his head to his feet being a nearly straight line. It is difficult to compare the horsemanship of a Western plainsman with that of an Eastern or Southern cross-country rider. In following hounds over fences and high walls, on a spirited horse needing very careful humoring, the latter would certainly excel; but he would find it hard work to sit a bucking horse like a cowboy, or to imitate the headlong dash with which one will cut out a cow marked with his own brand from a herd of several hundred others, or will follow at full speed the twistings and doublings of a refractory steer over ground where an Eastern horse would hardly keep its feet walking.

My own ranches, the Elkhorn and the Chimney Butte, lie along the eastern border of the cattle country, where the Little Missouri flows through the heart of the Bad Lands. This, like most other plains rivers, has a broad, shallow bed, through which in times of freshets runs a muddy torrent that neither man nor beast can pass; at other seasons of the year it is very shallow, spreading out into pools, between which the trickling water may be but a few inches deep. Even then, however, it is not always easy to cross, for the bottom is filled with quicksands and mud-holes. The river flows in long sigmoid curves through an alluvial valley of no great width. The amount of this alluvial land enclosed by a single bend is called a bottom, which may be either covered with cottonwood trees or else be simply a great grass meadow. From the edges of the valley the land rises abruptly in steep high buttes, whose crests are sharp and jagged. This broken country extends back from the river for many miles, and has been called always, by Indians, French voyageurs, and American trappers alike, the "Bad Lands," partly from its dreary and forbidding aspect and partly from the difficulty experienced in travelling through it. Every few miles it is crossed by creeks which open into the Little Missouri, of which they are simply repetitions in miniature, except that during most of the year they are

almost dry, some of them having in their beds here and there a never-failing spring or muddy alkaline-water hole. From these creeks run coulies, or narrow, winding valleys, through which water flows when the snow melts; their bottoms contain patches of brush, and they lead back into the heart of the Bad Lands. Some of the buttes spread out into level plateaus, many miles in extent; others form chains, or rise as steep, isolated masses. Some are of volcanic origin, being composed of masses of scoria; the others, of sandstone or clay, are worn by water into the most fantastic shapes. In coloring, they are as bizarre as in form. Among the level, parallel strata which make up the land are some of coal. When a coal vein gets on fire it makes what is called a burning mine, and the clay above it is turned into brick; so that where water wears away the side of a hill sharp streaks of black and red are seen across it, mingled with the grays, purples, and browns. Some of the buttes are overgrown with gnarled, stunted cedars or small pines, and they are all cleft through and riven in every direction by deep narrow ravines, or by canyons with perpendicular sides.

In spite of their look of savage desolation, the Bad Lands make a good cattle country, for there is plenty of nourishing grass and excellent shelter from the winter storms. The cattle keep close to them in the cold months, while in the summer time

they wander out on the broad prairies stretching back of them, or come down to the river bottoms.

My home-ranch stands on the river brink. From the low, long veranda, shaded by leafy cottonwoods, one looks across sand-bars and shallows to a strip of meadowland, behind which rises a line of sheer cliffs and grassy plateaus. This veranda is a pleasant place in the summer evenings when a cool breeze stirs along the river and blows in the faces of the tired men, who loll back in their rocking-chairs (what true American does not enjoy a rocking-chair?), book in hand—though they do not often read the books, but rock gently to and fro, gazing sleepily out at the weird-looking buttes opposite, until their sharp lines grow indistinct and purple in the afterglow of the sunset. The story-high house of hewn logs is clean and neat, with many rooms, so that one can be alone if one wishes to. The nights in summer are cool and pleasant, and there are plenty of bearskins and buffalo robes, trophies of our own skill, with which to bid defiance to the bitter cold of winter. In summer time, we are not much within doors, for we rise before dawn and work hard enough to be willing to go to bed soon after nightfall. The long winter evenings are spent sitting round the hearthstone, while the pine logs roar and crackle, and the men play checkers or chess, in the firelight. The rifles stand in

the corners of the room or rest across the elk-antlers which jut out from over the fireplace. From the deer-horns ranged along the walls and thrust into the beams and rafters hang heavy overcoats of wolfskin or coonskin, and otter-fur or beaver-fur caps and gauntlets. Rough board shelves hold a number of books, without which some of the evenings would be long indeed. No ranchman who loves sport can afford to be without Van Dyke's "Still Hunter," Dodge's "Plains of the Great West," or Caton's "Deer and Antelope of America"; and Coues's "Birds of the Northwest" will be valued if he cares at all for natural history. A Western plainsman is reminded every day, by the names of the prominent landmarks among which he rides, that the country was known to men who spoke French long before any of his own kinsfolk came to it, and hence he reads with a double interest Parkman's histories of the early Canadians. As for Irving, Hawthorne, Cooper, Lowell, and the other standbys, I suppose no man, East or West, would willingly be long without them; while for lighter reading there are dreamy Ike Marvel, Burroughs's breezy pages, and the quaint, pathetic character-sketches of the Southern writers—Cable, Craddock, Macon, Joel Chandler Harris, and sweet Sherwood Bonner. And when one is in the Bad Lands he feels as if they somehow *look* just exactly as Poe's tales and poems *sound*.

By the way, my books have some rather unexpected foes, in the shape of the pack rats. These are larger than our house rats, with soft gray fur, big eyes, and bushy tails, like a squirrel's; they are rather pretty beasts and very tame, often coming into the shacks and log cabins of the settlers. Woodmen and plainsmen, in their limited vocabulary, make great use of the verb "pack," which means to carry, more properly to carry on one's back; and these rats were christened pack rats on account of their curious and inveterate habit of dragging off to their holes every object they can possibly move. From the hole of one, underneath the wall of a hut, I saw taken a small revolver, a hunting-knife, two books, a fork, a small bag, and a tin cup. The little shack mice are much more common than the rats, and among them there is a wee pocket-mouse, with pouches on the outside of its little cheeks.

In the spring, when the thickets are green, the hermit thrushes sing sweetly in them; when it is moonlight, the voluble, cheery notes of the thrashers or brown thrushes can be heard all night long. One of our sweetest, loudest songsters is the meadow-lark; this I could hardly get used to at first, for it looks exactly like the Eastern meadow-lark, which utters nothing but a harsh disagreeable chatter. But the plains air seems to give it a voice, and it will perch on the top of a bush or tree

and sing for hours in rich, bubbling tones. Out on the prairie there are several kinds of plains sparrows which sing very brightly, one of them hovering in the air all the time, like a bobolink. Sometimes, in the early morning, when crossing the open, grassy plateaus, I have heard the prince of them all, the Missouri skylark. The skylark sings on the wing, soaring over head and mounting in spiral curves until it can hardly be seen, while its bright, tender strains never cease for a moment. I have sat on my horse and listened to one singing for a quarter of an hour at a time without stopping. There is another bird, also, which sings on the wing, though I have not seen the habit put down in the books. One bleak, March day, when snow covered the ground and the shaggy ponies crowded about the empty corral, a flock of snow-buntings came familiarly round the cow-shed, clambering over the ridge-pole and roof. Every few moments one of them would mount into the air, hovering about with quivering wings and warbling a loud, merry song, with some very sweet notes. They were a most welcome little group of guests, and we were sorry when, after loitering around a day or two, they disappeared towards their breeding haunts.

In the still fall nights, if we lie awake, we can listen to the clanging cries of the water-fowl, as their flocks speed southward; and in cold weather

the coyotes occasionally come near enough for us to hear their uncanny wailing. The larger wolves, too, now and then join in, with a kind of deep, dismal howling; but this melancholy sound is more often heard when out camping than from the ranch-house.

The charm of ranch life comes in its freedom, and the vigorous open-air existence it forces a man to lead. Except when hunting in bad ground, the whole time away from the house is spent in the saddle, and there are so many ponies that a fresh one can always be had. These ponies are of every size and disposition, and rejoice in names as different as their looks. Hackamore, Wire Fence, Steel Trap, War Cloud, Pinto, Buckskin, Circus, and Standing Jimmie are among those that, as I write, are running frantically around the corral in the vain effort to avoid the rope, wielded by the dextrous and sinewy hand of a broad-hatted cowboy.

A ranchman is kept busy most of the time, but his hardest work comes during the spring and fall round-ups, when the calves are branded or the beeves gathered for market. Our round-up district includes the Beaver and Little Beaver creeks (both of which always contain running water, and head up toward each other), and as much of the river, nearly two hundred miles in extent, as lies between their mouths. All the ranches along the lines of these two creeks and the river space

between join in sending from one to three or four men to the round-up, each man taking eight ponies; and for every six or seven men there will be a four-horse wagon to carry the blankets and mess-kit. The whole, including perhaps forty or fifty cowboys, is under the head of one first-class foreman, styled the captain of the round-up. Beginning at one end of the line, the round-up works along clear to the other. Starting at the head of one creek, the wagons and the herd of spare ponies go down ten or twelve miles, while the cowboys, divided into small parties, scour the neighboring country, covering a great extent of territory, and in the evening come into the appointed place with all the cattle they have seen. This big herd, together with the pony herd, is guarded and watched all night, and driven during the day. At each home-ranch (where there is always a large corral fitted for the purpose) all the cattle of that brand are cut out from the rest of the herd, which is to continue its journey; and the cows and calves are driven into the corral, where the latter are roped, thrown, and branded. In throwing the rope from horse-back, the loop, held in the right hand, is swung round and round the head by a motion of the wrist; when on foot, the hand is usually held by the side, the loop dragging on the ground. It is a pretty sight to see a man who knows how use the rope; again and again an expert will catch fifty

animals by the leg without making a misthrow. But unless practice is begun very young, it is hard to become really proficient.

Cutting out cattle, next to managing a stampeded herd at night, is that part of the cowboy's work needing the boldest and most skilful horsemanship. A young heifer or steer is very loth to leave the herd, always tries to break back into it, can run like a deer, and can dodge like a rabbit; but a thorough cattle-pony enjoys the work as much as its rider, and follows a beast like a four-footed fate through every double and turn. The ponies for the cutting-out or afternoon work are small and quick; those used for the circle-riding in the morning have need rather to be strong and rangey.

The work on a round-up is very hard, but although the busiest it is also the pleasantest part of a cowboy's existence. His food is good, though coarse, and his sleep is sound indeed; while the work is very exciting, and is done in company, under the stress of an intense rivalry between all the men, both as to their own skill and as to the speed and training of their horses. Clumsiness, and still more the slightest approach to timidity, expose a man to the roughest and most merciless raillery; and the unfit are weeded out by a very rapid process of natural selection. When the work is over for the day the men gather round the fire for an hour or two to sing songs, talk,

smoke, and tell stories; and he who has a good voice, or, better still, can play a fiddle or banjo, is sure to receive his meed of most sincere homage.

Though the ranchman is busiest during the round-up, yet he is far from idle at other times. He rides round among the cattle to see if any are sick, visits any outlying camp of his men, hunts up any bands of ponies which may stray,—and they are always straying,—superintends the haying, and, in fact, does not often find that he has too much leisure on his hands. Even in winter he has work which must be done. His ranch supplies milk, butter, eggs, and potatoes, and his rifle keeps him, at least intermittently, in fresh meat; but coffee, sugar, flour, and whatever else he may want has to be hauled in, and this is generally done when the ice will bear. Then firewood must be chopped; or, if there is a good vein of coal, as on my ranch, the coal must be dug out and hauled in. Altogether, though the ranchman will have time enough to take shooting trips, he will be very far from having time to make shooting a business, as a stranger who comes for nothing else can afford to do.

There are now no Indians left in my immediate neighborhood, though a small party of harmless Grosventres occasionally passes through; yet it is but six years since the Sioux surprised and killed five men in a log station just south of me, where

the Fort Keogh trail crosses the river; and, two years ago, when I went down on the prairies towards the Black Hills, there was still danger from Indians. That summer the buffalo hunters had killed a couple of Crows, and while we were on the prairie a long-range skirmish occurred near us between some Cheyennes and a number of cowboys. In fact, we ourselves were one day scared by what we thought to be a party of Sioux; but, on riding towards them, they proved to be half-breed Crees, who were more afraid of us than we were of them.

During the past century a good deal of sentimental nonsense has been talked about our taking the Indians' land. Now, I do not mean to say for a moment that gross wrong has not been done the Indians, both by government and individuals, again and again. The government makes promises impossible to perform, and then fails to do even what it might toward their fulfilment; and where brutal and reckless frontiersmen are brought into contact with a set of treacherous, revengeful, and fiendishly cruel savages, a long series of outrages by both sides is sure to follow. But as regards taking the land, at least from the Western Indians, the simple truth is that the latter never had any real ownership in it at all. Where the game was plenty, there they hunted; they followed it when it moved away to new hunting-

grounds, unless they were prevented by stronger rivals, and to most of the land on which we found them they had no stronger claim than that of having a few years previously butchered the original occupants. When my cattle came to the Little Missouri, the region was only inhabited by a score or so of white hunters; their title to it was quite as good as that of most Indian tribes to the lands they claim; yet nobody dreamed of saying that these hunters owned the country. Each could eventually have kept his own claim of 160 acres, and no more. The Indians should be treated in just the same way that we treat the white settlers. Give each his little claim; if, as would generally happen, he declined this, why, then let him share the fate of the thousands of white hunters and trappers who have lived on the game that the settlement of the country has exterminated, and let him, like these whites, who will not work, perish from the face of the earth which he cumbers.

The doctrine seems merciless, and so it is; but it is just and rational for all that. It does not do to be merciful to a few, at the cost of justice to the many. The cattlemen at least keep herds and build houses on the land; yet I would not for a moment debar settlers from the right of entry to the cattle country, though their coming in means in the end the destruction of us and our industry.

For we ourselves and the life that we lead will shortly pass away from the plains as completely as the red and white hunters who have vanished from before our herds. The free, open-air life of the ranchman, the pleasantest and healthiest life in America, is from its very nature ephemeral. The broad and boundless prairies have already been bounded and will soon be made narrow. It is scarcely a figure of speech to say that the tide of white settlement during the last few years has risen over the West like a flood; and the cattlemen are but the spray from the crest of the wave, thrown far in advance, but soon to be overtaken. As the settlers throng into the lands and seize the good ground, especially that near the streams, the great fenceless ranches, where the cattle and their mounted herdsmen wandered unchecked over hundreds of thousands of acres, will be broken up and divided into corn land, or else into small grazing farms where a few hundred head of stock are closely watched and taken care of. Of course, the most powerful ranches, owned by wealthy corporations or individuals, and already firmly rooted in the soil, will long resist this crowding; in places, where the ground is not suited to agriculture, or where, through the old Spanish land-grants, the title has been acquired to a great tract of territory, cattle ranching will continue for a long time, though in a greatly modified form; elsewhere, I

doubt if it lasts out the present century. Immense sums of money have been made at it in the past, and it is still fairly profitable; but the good grounds (aside from those reserved for the Indians) are now almost all taken up, and it is too late for new men to start at it on their own account, unless in exceptional cases, or where an Indian reservation is thrown open. Those that are now in will continue to make money; but most of those who hereafter take it up will lose.

The profits of the business are great; but the chances for loss are great, also. A winter of unusual severity will work sad havoc among the young cattle, especially the heifers; sometimes a disease, like the Texas cattle-fever, will take off a whole herd; and many animals stray and are not recovered. In fall, when the grass is like a mass of dry and brittle tinder, the fires do much damage, reducing the prairies to blackened deserts as far as the eye can see, and destroying feed which would keep many thousand head of stock during winter. Then we hold in about equal abhorrence the granger who may come in to till the land, and the sheep-owner who drives his flocks over it. The former will gradually fill up the country to our own exclusion, while the latter's sheep nibble the grass off so close to the ground as to starve out all other animals.

Then we suffer some loss—in certain regions,

very severe loss—from wild beasts, such as cougars, wolves, and lynxes. The latter, generally called "bob-cats," merely make inroads on the hen-roosts (one of them destroyed half my poultry, coming night after night with most praiseworthy regularity), but the cougars and wolves destroy many cattle.

The wolf is not very common with us; nothing like as plentiful as the little coyote. A few years ago both wolves and coyotes were very numerous on the plains, and as Indians and hunters rarely molested them, they were then very unsuspicious. But all this is changed now. When the cattlemen came in they soon perceived in the wolves their natural foes, and followed them unrelentingly. They shot at and chased them on all occasions, and killed great numbers by poisoning; and, as a consequence, the comparatively few that are left are as wary and cunning beasts as exist anywhere. They hardly ever stir abroad by day, and hence are rarely shot or indeed seen. During the last three years these brutes have killed nearly a score of my cattle, and in return we have poisoned six or eight wolves and a couple of dozen coyotes; yet in all our riding we have not seen so much as a single wolf, and only rarely a coyote. The coyotes kill sheep and, occasionally, very young calves, but never meddle with anything larger. The stockman fears only the large wolves.

According to my experience, the wolf is rather solitary. A single one or a pair will be found by themselves, or possibly with one or more well-grown young ones, and will then hunt over a large tract where no other wolves will be found; and as they wander very far, and as their melancholy howlings have a most ventriloquial effect, they are often thought to be much more plentiful than they are. During the daytime they lie hid in caves or in some patch of bush, and will let a man pass right by them without betraying their presence. Occasionally, somebody runs across them by accident. A neighboring ranchman to me once stumbled, while riding an unshod pony, right into the midst of four wolves, who were lying in some tall, rank grass, and shot one with his revolver and crippled another before they could get away. But such an accident as this is very rare; and when, by any chance, the wolf is himself abroad in the daytime he keeps such a sharp lookout, and is so wary, that it is almost impossible to get near him, and he gives every human being a wide berth. At night it is different. The wolves then wander far and wide, often coming up round the outbuildings of the ranches; I have seen in light snow the tracks of two that had walked round the house within fifty feet of it. I have never heard of an instance where a man was attacked or threatened by them, but they will at

times kill every kind of domestic animal. They are fond of trying to catch young foals, but do not often succeed, for the mares and foals keep together in a kind of straggling band, and the foal is early able to run at good speed for a short distance. When attacked the mare and foal dash off towards the rest of the band, which gathers together at once, the foals pressing into the middle and the mares remaining on the outside, not in a ring with their heels out, but moving in and out, and forming a solid mass into which the wolves do not venture. Full-grown horses are rarely molested, while a stallion becomes himself the assailant.

In early spring, when the cows are beginning to calve, the wolves sometimes wait upon the herds as they did of old on the buffalo, and snap up any calf that strays away from its mother. When hard pressed by hunger, they will kill a steer or a heifer, choosing the bitterest and coldest night to make the attack. The prey is invariably seized by the haunch or flank, and its entrails afterwards torn out; while a cougar, on the contrary, grasps the neck or throat. Wolves have very strong teeth and jaws and inflict a most severe bite. They will in winter come up to the yards and carry away a sheep, pig, or dog, without much difficulty; I have known one which had tried to seize a sheep, and been prevented by the sheep-dogs, to canter

off with one of the latter instead. But a spirited dog will always attack a wolf. On the ranch next below mine there was a plucky bull terrier, weighing about twenty-five pounds, who lost his life owing to his bravery. On one moonlight night three wolves came round the stable, and the terrier sallied out promptly. He made such a quick rush as to take his opponents by surprise, and seized one by the throat; nor did he let go till the other two tore him almost asunder across the loins. Better luck attended a large mongrel, called a sheep-dog by his master, but whose blood was apparently about equally derived from collie, Newfoundland, and bulldog. He was a sullen but very intelligent and determined brute, powerfully built and with strong jaws, and, though neither as tall nor as heavy as a wolf, he had yet killed two of these animals single-handed. One of them had come into the farmyard at night, and taken a young pig, whose squeals roused everybody. The wolf loped off with his booty, the dog running after him and overtaking him in the darkness. The struggle was short, for the dog had seized the wolf by the throat and the latter could not shake him off, though he made the most desperate efforts, rising on his hind legs and pressing the dog down with his fore paws. This time the victor escaped scatheless, but in his second fight, when he strangled a still larger wolf, he was severely

punished. The wolf had seized a sheep, when the dog, rushing on him, caused him to leave his quarry. Instead of running, he turned to bay at once, taking off one of the assailant's ears with a rapid snap. The dog did not get a good hold, and the wolf scored him across the shoulders and flung him off. They then faced each other for a minute and at the next dash the dog made good his throat hold, and throttled the wolf, though the latter contrived to get his foe's foreleg into his jaws and broke it clear through. When I saw the dog he had completely recovered, although pretty well scarred.

On another neighboring ranch there is a most ill-favored hybrid, whose mother was a Newfoundland and whose father was a large wolf. It is stoutly built, with erect ears, pointed muzzle, rather short head, short bushy tail, and of a brindled color; funnily enough, it looks more like a hyena than like either of its parents. It is familiar with people and a good cattle-dog, but rather treacherous; it both barks and howls. The parent wolf carried on a long courtship with the Newfoundland. He came round the ranch regularly and boldly, every night, and she would at once go out to him. In the daylight he would lie hid in the bushes at some little distance. Once or twice his hiding-place was discovered, and then the men would amuse themselves by setting the

Newfoundland on him. She would make at him, but when they were a good way from the men he would turn round and wait for her and they would go romping off together, not to be seen again for several hours.

The cougar is hardly ever seen round my ranch; but toward the mountains it is very destructive both to horses and horned cattle. The ranchmen know it by the name of mountain lion; and it is the same beast that in the East is called panther or "painter." The cougar is the same size and build as the Old World leopard, and with very much the same habits. One will generally lie in wait for the heifers or young steers as they come down to water, and, singling out an animal, reach it in a couple of bounds and fasten its fangs in the throat or neck. I have seen quite a large cow that had been killed by a cougar; and on another occasion, while out hunting over light snow, I came across a place where two bucks, while fighting, had been stalked up to by a cougar which pulled down one and tore him in pieces. The cougar's gait is silent and stealthy, to an extraordinary degree; the look of the animal when creeping up to his prey has been wonderfully caught by the sculptor, Kemeys, in his bronzes: "The Still Hunt" and "The Silent Footfall."

I have never myself killed a cougar, though my brother shot one in Texas, while still-hunting some

deer, which the cougar itself was after. It never attacks man, and even when hard pressed and wounded turns to bay with extreme reluctance, and at the first chance again seeks safety in flight. This was certainly not the case in old times, but the nature of the animal has been so changed by constant contact with rifle-bearing hunters, that timidity toward them has become a hereditary trait deeply engrained in its nature. When the continent was first settled, and for long afterward, the cougar was quite as dangerous an antagonist as the African or Indian leopard, and would even attack men unprovoked. An instance of this occurred in the annals of my mother's family. Early in the present century, one of my ancestral relatives, a Georgian, moved down to the wild and almost unknown country bordering on Florida. His plantation was surrounded by jungles in which all kinds of wild beasts swarmed. One of his negroes had a sweetheart on another plantation, and in visiting her, instead of going by the road, he took a short cut through the swamps, heedless of the wild beasts, and armed only with a long knife —for he was a man of colossal strength, and of fierce and determined temper. One night he started to return late, expecting to reach the plantation in time for his daily task on the morrow. But he never reached home, and it was thought he had run away. However, when search was

made for him his body was found in the path through the swamp, all gashed and torn, and, but a few steps from him, the body of a cougar, stabbed and cut in many places. Certainly, that must have been a grim fight, in the gloomy, lonely recesses of the swamp, with no one to watch the midnight death-struggle between the powerful, naked man and the ferocious brute that was his almost unseen assailant.

When hungry, a cougar will attack anything it can master. I have known of their killing wolves and large dogs. A friend of mine, a ranchman in Wyoming, had two grizzly bear cubs in his possession at one time, and they were kept in a pen outside the ranch. One night two cougars came down, and after vain efforts to catch a dog which was on the place, leaped into the pen and carried off the two young bears!

Two or three powerful dogs, however, will give a cougar all he wants to do to defend himself. A relative of mine in one of the Southern States had a small pack of five blood-hounds, with which he used to hunt the canebrakes for bear, wildcats, etc. On one occasion they ran across a cougar, and after a sharp chase treed him. As the hunters drew near, he leaped from the tree and made off, but was overtaken by the hounds and torn to pieces after a sharp struggle, in which one or two of the pack were badly scratched.

Cougars are occasionally killed by poisoning, and they may be trapped much more easily than a wolf. I have never known them to be systematically hunted in the West, though now and then one is accidentally run across and killed with the rifle while the hunter is after some other game.

As already said, ranchmen do not have much idle time on their hands, for their duties are manifold, and they need to be ever on the watch against their foes, both animate and inanimate. Where a man has so much to do, he cannot spare a great deal of time for any amusement; but a good part of that which the ranchman can spare he is very apt to spend in hunting. His quarry will be one of the seven kinds of plains game—bear, buffalo, elk, bighorn, antelope, blacktail or whitetail deer. Moose, caribou, and white goat never come down into the cattle country; and it is only on the Southern ranches near the Rio Grande and the Rio Colorado that the truculent peccary and the great spotted jaguar are found.

Until recently, all sporting on the plains was confined to army officers, or to men of leisure who made extensive trips for no other purpose; leaving out of consideration the professional hunters, who trapped and shot for their livelihood. But with the incoming of the cattlemen, there grew up a a class of residents, men with a stake in the welfare

of the country, and with a regular business carried on in it, many of whom were keenly devoted to sport,—a class whose members were in many respects closely akin to the old Southern planters. In this book I propose to give some description of the kind of sport that can be had by the average ranchman who is fond of the rifle. Of course, no man with a regular business can have such opportunities as fall to the lot of some who pass their lives in hunting only; and we cannot pretend to equal the achievements of such men, for with us it is merely a pleasure, to be eagerly sought after when we have the chance, but not to be allowed to interfere with our business. No ranchmen have time to make such extended trips as are made by some devotees of sport who are so fortunate as to have no everyday work to which to attend. Still, ranch life undoubtedly offers more chances to a man to get sport than is now the case with any other occupation in America, and those who follow it are apt to be men of game spirit, fond of excitement and adventure, who perforce lead an open-air life, who must needs ride well, for they are often in the saddle from sunrise to sunset, and who naturally take kindly to that noblest of weapons, the rifle. With such men hunting is one of the chief of pleasures; and they follow it eagerly when their work will allow them. And with some of them it is at times more

than a pleasure. On many of the ranches—on my own, for instance—the supply of fresh meat depends mainly on the skill of the riflemen, and so, both for pleasure and profit, most ranchmen do a certain amount of hunting each season. The buffalo are now gone forever, and the elk are rapidly sharing their fate; but antelope and deer are still quite plenty, and will remain so for some years; and these are the common game of the plainsman. Nor is it likely that the game will disappear much before ranch life itself is a thing of the past. It is a phase of American life as fascinating as it is evanescent, and one well deserving an historian. But in these pages I propose to dwell on only one of its many pleasant sides, and to give some idea of the game-shooting which forms perhaps the chief of the cattleman's pleasures, aside from those more strictly connected with his actual work. I have to tell of no unusual adventures, but merely of just such hunting as lies within reach of most of the sport-loving ranchmen whose cattle range along the waters of the Powder and the Bighorn, the Little Missouri and the Yellowstone.

Of course I have never myself gone out hunting under the direction of a professional guide or professional hunter, unless it was to see one of the latter who was reputed a crack shot; all of my trips have been made either by myself or

else with one of my cowboys as a companion. Most of the so-called hunters are not worth much. There are plenty of men hanging round the frontier settlements who claim to be hunters, and who bedizen themselves in all the traditional finery of the craft, in the hope of getting a job at guiding some "tenderfoot"; and there are plenty of skin-hunters, or meat-hunters, who, after the Indians have been driven away and when means of communication have been established, mercilessly slaughter the game in season and out, being too lazy to work at any regular trade, and keeping on hunting until the animals become too scarce and shy to be taken without more skill than they possess; but these are all mere temporary excrescences, and the true old Rocky Mountain hunter and trapper, the plainsman, or mountain man, who, with all his faults, was a man of iron nerve and will, is now almost a thing of the past. In the place of these heroes of a bygone age, the men who were clad in buckskin and who carried long rifles, stands, or rather rides, the bronzed and sinewy cowboy, as picturesque and self-reliant, as dashing and resolute as the saturnine Indian fighters whose place he has taken; and, alas that it should be written! he in his turn must at no distant time share the fate of the men he has displaced. The ground over which he so gallantly rides his small, wiry horse will soon know

him no more, and in his stead there will be the plodding grangers and husbandmen. I suppose it is right and for the best that the great cattle country, with its broad extent of fenceless land, over which the ranchman rides as free as the game that he follows or the horned herds that he guards, should be in the end broken up into small patches of fenced farm land and grazing land; but I hope against hope that I myself shall not live to see this take place, for when it does one of the pleasantest and freest phases of Western American life will have come to an end.

The old hunters were a class by themselves. They penetrated, alone or in small parties, to the farthest and wildest haunts of the animals they followed, leading a solitary, lonely life, often never seeing a white face for months and even years together. They were skilful shots, and were cool, daring, and resolute to the verge of recklessness. On anything like even terms, they very greatly overmatched the Indians by whom they were surrounded, and with whom they waged constant and ferocious war. In the government expeditions against the plains tribes they were of absolutely invaluable assistance as scouts. They rarely had regular wives or white children, and there are none to take their places, now that the greater part of them have gone. For the men who carry on hunting as a business where it is perfectly

safe have all the vices of their prototypes, but, not having to face the dangers that beset the latter, so neither need nor possess the stern, rough virtues that were required in order to meet and overcome them. The ranks of the skin-hunters and meat-hunters contain some good men; but, as a rule, they are a most unlovely race of beings, not excelling even in the pursuit which they follow because they are too shiftless to do anything else; and the sooner they vanish the better.

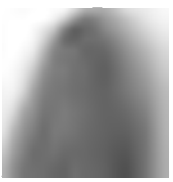
A word as to weapons and hunting-dress. When I first came to the plains I had a heavy Sharps rifle, 45–120, shooting an ounce and a quarter of lead, and a 50-calibre, double-barrelled English express. Both of these, especially the latter, had a vicious recoil; the former was very clumsy; and, above all, they were neither of them repeaters; for a repeater or magazine-gun is as much superior to a single- or double-barrelled breech-loader as the latter is to a muzzle-loader. I threw them both aside: and have instead a 40–90 Sharps for very long range work; a 50–115 6-shot Ballard express, which has the velocity, shock, and low trajectory of the English gun; and, better than either, a 45–75 half-magazine Winchester. The Winchester, which is stocked and sighted to suit myself, is by all odds the best weapon I ever had, and I now use it almost exclusively, having killed every kind of game with it, from a grizzly bear to a big-

horn. It is as handy to carry, whether on foot or on horseback, and comes up to the shoulder as readily as a shot-gun; it is absolutely sure, and there is no recoil to jar and disturb the aim, while it carries accurately quite as far as a man can aim with any degree of certainty; and the bullet, weighing three quarters of an ounce, is plenty large enough for anything on this continent. For shooting the very large game (buffalo, elephants, etc.) of India and South Africa, much heavier rifles are undoubtedly necessary; but the Winchester is the best gun for any game to be found in the United States, for it is as deadly, accurate, and handy as any, stands very rough usage, and is unapproachable for the rapidity of its fire and the facility with which it is loaded.

Of course, every ranchman carries a revolver, a long 45 Colt or Smith & Wesson, by preference the former. When after game a hunting-knife is stuck in the girdle. This should be stout and sharp, but not too long, with a round handle. I have two double-barrelled shot-guns: a No. 10 choke-bore for ducks and geese, made by Thomas of Chicago; and a No. 16 hammerless, built for me by Kennedy of St. Paul, for grouse and plover. On regular hunting trips, I always carry the Winchester rifle, but in riding round near home, where a man may see a deer and is sure to come across ducks and grouse, it is best to take the little ranch

gun, a double-barrel No. 16, with a 40–70 rifle underneath the shot-gun barrels.

As for clothing, when only off on a day's trip the ordinary ranchman's dress is good enough: flannel shirt and overalls tucked into alligator boots, the latter being of service against the brambles, cacti, and rattlesnakes. Such a costume is good in warm weather. When making a long hunting trip, where there will be much rough work, especially in the dry cold of fall and winter, there is nothing better than a fringed buckskin tunic or hunting-shirt (held in at the waist by the cartridge belt), buckskin trousers, and a fur cap, with heavy moccasins for use in the woods, and light alligator-hide shoes if it is intended to cross rocks and open ground. Buckskin is most durable, keeps out wind and cold, and is the best possible color for the hunter—no small point in approaching game. For wet, it is not as good as flannel, and it is hot in warm weather. On very cold days, fur gloves and either a coonskin overcoat or a short riding-jacket of fisher's fur may be worn. In cold weather, if travelling light with only what can be packed behind the horse, I sleep in a big buffalo-robe, sewed up at the sides and one end into the form of a bag, and very warm. When, as is sometimes the case, the spirit in the thermometer sinks to — 60°–65° Fahrenheit, it is necessary to have more wraps and bedding, and we



use beaver-robes and bearskins. An oilskin "slicker" or waterproof overcoat and a pair of shaps keep out the rain almost completely.

Where most of the hunting is done on horseback the hunting-pony is a very important animal. Many people seem to think that any broken-down pony will do to hunt, but this seems to me a very great mistake. My own hunting-horse, Manitou, is the best and most valuable animal on the ranch. He is stoutly built and strong, able to carry a good-sized buck behind his rider for miles at a lope without minding it in the least; he is very enduring and very hardy, not only picking up a living but even growing fat when left to shift for himself under very hard conditions; and he is perfectly sure-footed and as fast as any horse on the river. Though both willing and spirited, he is very gentle, with an easy mouth, and will stay grazing in one spot when left, and will permit himself to be caught without difficulty. Add to these virtues the fact that he will let any dead beast or thing be packed on him, and will allow a man to shoot off his back or right by him without moving, and it is evident that he is as nearly perfect as can be the case with hunting-horseflesh. There is a little sorrel mare on the ranch, a perfect little pet, that is almost as good, but too small. We have some other horses we frequently use, but all have faults. Some of the quiet ones

are slow, lazy, or tire easily; others are gun-shy; while others plunge and buck if we try to pack any game on their backs. Others cannot be left standing untied, as they run away; and I can imagine few forms of exercise so soul-harrowing as that of spending an hour or two in running, in shaps, top-boots, and spurs, over a broken prairie, with the thermometer at 90°, after an escaped horse. Most of the hunting-horses used by my friends have one or more of these tricks, and it is rare to find one, like Manitou, who has none of them. Manitou is a treasure, and I value him accordingly. Besides, he is a sociable old fellow, and a great companion when off alone, coming up to have his head rubbed or to get a crust of bread, of which he is very fond.

To be remarkably successful in killing game, a man must be a good shot; but a good target-shot may be a very poor hunter, and a fairly successful hunter may be only a moderate shot. Shooting well with the rifle is the highest kind of skill, for the rifle is the queen of weapons; and it is a difficult art to learn. But many other qualities go to make up the first-class hunter. He must be persevering, watchful, hardy, and with good judgment; and a little dash and energy at the proper time often help him immensely. I myself am not, and never will be, more than an ordinary shot; for my eyes are bad and my hand not over-

steady; yet I have killed every kind of game to be found on the plains, partly because I have hunted very perseveringly, and partly because by practice I have learned to shoot about as well at a wild animal as at a target. I have killed rather more game than most of the ranchmen who are my neighbors, though at least half of them are better shots than I am.

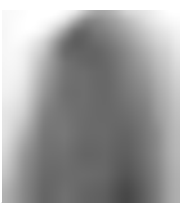
Time and again I have seen a man who had, as he deemed, practised sufficiently at a target, come out "to kill a deer" hot with enthusiasm; and nine out of ten times he has gone back unsuccessful, even when deer were quite plenty. Usually, he has been told by the friend who advised him to take the trip, or by the guide who inveigled him into it, that "the deer were so plenty you saw them all round you," and, this not proving quite true, he lacks perseverance to keep on; or else he fails to see the deer at the right time; or else, if he does see it he misses it, making the discovery that to shoot at a gray object, not over distinctly seen, at a distance merely guessed at, and with a background of other gray objects, is very different from firing into a target, brightly painted and a fixed number of yards off. A man must be able to hit a bull's-eye eight inches across every time to do good work with deer or other game; for the spot around the shoulders that is fatal is not much bigger than this; and a shot a little back of that

merely makes a wound which may in the end prove mortal, but which will in all probability allow the animal to escape for the time being. It takes a good shot to hit a bull's-eye offhand several times in succession at a hundred yards, and if the bull's-eye was painted the same color as the rest of the landscape, and was at an uncertain distance, and, moreover, was alive, and likely to take to its heels at any moment, the difficulty of making a good shot would be greatly enhanced. The man who can kill his buck right along at a hundred yards has a right to claim that he is a good shot. If he can shoot offhand standing up, that is much the best way, but I myself always drop on one knee, if I have time, unless the animal is very close. It is curious to hear the nonsense that is talked and to see the nonsense that is written about the distance at which game is killed. Rifles now carry with deadly effect the distance of a mile, and most middle-range hunting-rifles would at least kill at half a mile; and in war firing is often begun at these ranges. But in war there is very little accurate aiming, and the fact that there is a variation of thirty or forty feet in the flight of the ball makes no difference; and, finally, a thousand bullets are fired for every man that is killed—and usually many more than a thousand. How would that serve for a record on game? The truth is that three hundred yards is a very long

shot, and that even two hundred yards is a long shot. On looking over my game-book I find that the average distance at which I have killed game on the plains is less than a hundred and fifty yards. A few years ago, when the buffalo would stand still in great herds half a mile from the hunter, the latter, using a long-range Sharps rifle, would often, by firing a number of shots into the herd at that distance, knock over two or three buffalo; but I have hardly ever known single animals to be killed six hundred yards off, even in antelope hunting, the kind in which most long-range shooting is done; and at half that distance a very good shot, with all the surroundings in his favor, is more apt to miss than to hit. Of course old hunters—the most inveterate liars on the face of the earth—are all the time telling of their wonderful shots at even longer distances, and they do occasionally, when shooting very often, make them, but their performances, when actually tested, dwindle amazingly. Others, amateurs, will brag of their rifles. I lately read in a magazine about killing antelopes at eight hundred yards with a Winchester express, a weapon which cannot be depended upon at over two hundred, and is wholly inaccurate at over three hundred, yards.

The truth is that in almost all cases the hunter merely guesses at the distance, and, often

perfectly honestly, just about doubles it in his own mind. Once a man told me of an extraordinary shot by which he killed a deer at four hundred yards. A couple of days afterward we happened to pass the place, and I had the curiosity to step off the distance, finding it a trifle over a hundred and ninety. I always make it a rule to pace off the distance after a successful shot, whenever practicable—that is, when the animal has not run too far before dropping—and I was at first both amused and somewhat chagrined to see how rapidly what I had supposed to be remarkably long shots shrank under actual pacing. It is a good rule always to try to get as near the game as possible, and in most cases it is best to risk startling it in the effort to get closer rather than to risk missing it by a shot at long range. At the same time, I am a great believer in powder-burning, and if I cannot get near, will generally try a shot anyhow, if there is a chance of the rifle's carrying to it. In this way a man will now and then, in the midst of many misses, make a very good long shot, but he should not try to deceive himself into the belief that these occasional long shots are to be taken as samples of his ordinary skill. Yet it is curious to see how a really truthful man will forget his misses, and his hits at close quarters, and, by dint of constant repetition, will finally persuade himself that he is in the habit of killing his game



at three or four hundred yards. Of course, in different kinds of ground the average range for shooting varies. In the Bad Lands most shots will be obtained much closer than on the prairie, and in the timber they will be nearer still.

Old hunters, who are hardy, persevering, and well acquainted with the nature of the animals they pursue, will often kill a great deal of game without being particularly good marksmen; besides, they are careful to get up close, and are not flurried at all, shooting as well at a deer as they do at a target. They are, as a rule, fair shots—that is, they shoot a great deal better than Indians or soldiers, or than the general run of Eastern amateur sportsmen; but I have never been out with one who has not missed a great deal, and the "Leatherstocking" class of shooting stories are generally untrue, at least to the extent of suppressing part of the truth—that is, the number of misses. Beyond question, our Western hunters are, as a body, to the full as good marksmen as, and probably much better than, any other body of men in the world, not even excepting the Dutch Boers or Tyrolese Jägers, and a certain number of them who shoot a great deal at game, and are able to squander cartridges very freely, undoubtedly become crack shots, and perform really wonderful feats. As an instance, there is old "Vic," a former scout and Indian fighter, and concededly the

best hunter on the Little Missouri; probably there are not a dozen men in the West who are better shots or hunters than he is, and I have seen him do most skilful work. He can run the muzzle of his rifle through a board so as to hide the sights and yet do quite good shooting at some little distance; he will cut the head off a chicken at eighty or ninety yards, shoot a deer running through brush at that distance, kill grouse on the wing early in the season, and knock over antelopes when they are so far off that I should not dream of shooting. He firmly believes, and so do most men that speak of him, that he never misses. Yet I have known him make miss after miss at game, and some that were not especially difficult shots either. One secret of his success is his constant practice. He is firing all the time, at marks, small birds, etc., and will average from fifty to a hundred cartridges a day; he certainly uses nearly twenty thousand a year, while a man who only shoots for sport, and that occasionally, will, in practising at marks and everything else, hardly get through with five hundred. Besides, he was cradled in the midst of wild life, and has handled a rifle and used it against both brute and human foes almost since his infancy; his nerves and sinews are like iron, and his eye is naturally both quick and true.

Vic is an exception. With practice an ama-

teur will become nearly as good a shot as the average hunter; and, as I said before, I do not myself believe in taking out a professional hunter as a shooting companion. If I do not go alone I generally go with one of my foremen, Merrifield, who himself came from the East but five years ago. He is a good-looking fellow, daring and self-reliant, a good rider and a first-class shot, and a very keen sportsman. Of late years he has been my *fidus Achates* of the hunting field. I can kill more game with him than I can alone; and in hunting on the plains there are many occasions on which it is almost a necessity to have a companion along.

It frequently happens that a solitary hunter finds himself in an awkward predicament, from which he could be extricated easily enough if there were another man with him. His horse may fall into a wash-out, or may get stuck in a mud-hole or quicksand in such a manner that a man working by himself will have great difficulty in getting it out; and two heads often prove better than one in an emergency, especially if a man gets hurt in any way. The first thing that a Western plainsman has to learn is the capacity for self-help, but at the same time he must not forget that occasions may arise when the help of others will be most grateful.

CHAPTER II

WATERFOWL

ONE cool afternoon in the early fall, while sitting on the veranda of the ranch-house, we heard a long way off the ha-ha-honk, ha-honk, of a gang of wild geese; and shortly after they came in sight, in a V-shaped line, flying low and heavily toward the south, along the course of the stream. They went by within a hundred yards of the house, and we watched them for some minutes as they flew up the valley, for they were so low in the air that it seemed certain that they would soon alight; and alight they did when they were less than a mile past us. As the ground was flat and without much cover where they had settled, I took the rifle instead of a shot-gun and hurried after them on foot. Wild geese are very watchful and wary, and as I came toward the place where I thought they were I crept along with as much caution as if the game had been a deer. At last, peering through a thick clump of bullberry bushes, I saw them. They were clustered on a high sand-bar in the middle of the river, which here ran in a very wide bed between low banks. The only way to get at them was to

crawl along the river-bed, which was partly dry, using the patches of rushes and the sand hillocks and driftwood to shield myself from their view. As it was already late and the sun was just sinking, I hastily retreated a few paces, dropped over the bank, and began to creep along on my hands and knees through the sand and gravel. Such work is always tiresome, and is especially so when done against time. I kept in line with a great log washed up on the shore, which was some seventy-five yards from the geese. On reaching it and looking over I was annoyed to find that in the fading light I could not distinguish the birds clearly enough to shoot, as the dark river bank was behind them. I crawled quickly back a few yards, and went off a good bit to the left into a hollow. Peeping over the edge I could now see the geese, gathered into a clump with their necks held straight out, sharply outlined against the horizon; the sand flats stretching out on either side, while the sky above was barred with gray and faint crimson. I fired into the thickest of the bunch, and as the rest flew off, with discordant clamor, ran forward and picked up my victim, a fat young wild goose (or Canada goose), the body badly torn by the bullet.

On two other occasions I have killed geese with the rifle. Once while out riding along the river bottoms, just at dawn, my attention was drawn

to a splashing and low cackling in the stream, where the water deepened in a wide bend, which swept round a low bluff. Leaving my horse where he was, I walked off towards the edge of the stream, and lying on the brink of the bank looked over into the water of the bend. Only a faint streak of light was visible in the east, so that objects on the water could hardly be made out; and the little wreaths of mist that rose from the river made the difficulty even greater. The birds were some distance above me, where the water made a long straight stretch through a sandy level. I could not see them, but could plainly hear their low murmuring and splashing, and once one of them, as I judged by the sound, stood up on end and flapped its wings vigorously. Pretty soon a light puff of wind blew the thin mist aside, and I caught a glimpse of them; as I had supposed, they were wild geese, five of them, swimming slowly, or rather resting on the water, and being drifted down with the current. The fog closed over them again, but it was growing light very rapidly, and in a short time I knew they would be in the still water of the bend just below me, so I rose on my elbows and held my rifle ready at poise. In a few minutes, before the sun was above the horizon, but when there was plenty of light by which to shoot, another eddy in the wind blew away the vapor and showed the five geese in a cluster, some

thirty yards off. I fired at once, and one of the geese, kicking and flapping frantically, fell over, its neck half cut from the body, while the others, with laborious effort, got under way. Before they could get their heavy bodies fairly off the water and out of range, I had taken three more shots, but missed. Waiting till the dead goose drifted in to shore, I picked it up and tied it on the saddle of my horse to carry home to the ranch. Being young and fat it was excellent eating.

The third goose I killed with the rifle was of a different kind. I had been out after antelopes, starting before there was any light in the heavens, and pushing straight out towards the rolling prairie. After two or three hours, when the sun was well up, I neared where a creek ran in a broad, shallow valley. I had seen no game, and before coming up to the crest of the divide beyond which lay the creek bottom, I dismounted and crawled up to it, so as to see if any animal had come down to drink. Field-glasses are almost always carried while hunting on the plains, as the distances at which one can see game are so enormous. On looking over the crest with the glasses the valley of the creek for about a mile was stretched before me. At my feet the low hills came closer together than in other places, and shelved abruptly down to the bed of the valley, where there was a small grove of box-alders and cottonwoods. The beavers

had, in times gone by, built a large dam at this place across the creek, which must have produced a great back-flow and made a regular little lake in the times of freshets. But the dam was now broken, and the beavers, or most of them, gone, and in the place of the lake was a long green meadow. Glancing towards this my eye was at once caught by a row of white objects stretched straight across it, and another look showed me that they were snow-geese. They were feeding, and were moving abreast of one another slowly down the length of the meadow towards the end nearest me, where the patch of small trees and brushwood lay. A goose is not as big game as an antelope; still I had never shot a snow-goose, and we needed fresh meat, so I slipped back over the crest and ran down to the bed of the creek, round a turn of the hill, where the geese were out of sight. The creek was not an entirely dry one, but there was no depth of water in it except in certain deep holes; elsewhere it was a muddy ditch with steep sides, difficult to cross on horseback because of the quicksands. I walked up to the trees without any special care, as they screened me from view, and looked cautiously out from behind them. The geese were acting just as our tame geese act in feeding on a common, moving along with their necks stretched out before them, nibbling and jerking at the grass as they tore it up by mouthfuls.

They were very watchful, and one or the other of them had its head straight in the air looking sharply round all the time. Geese will not come near any cover in which foes may be lurking if they can help it, and so I feared that they would turn before coming near enough to the brush to give me a good shot. I therefore dropped into the bed of the creek, which wound tortuously along the side of the meadow, and crept on all fours along one of its banks until I came to where it made a loop out towards the middle of the bottom. Here there was a tuft of tall grass, which served as a good cover, and I stood upright, dropping my hat, and looking through between the blades. The geese, still in a row, with several yards' interval between each one and his neighbor, were only sixty or seventy yards off, still feeding towards me. They came along quite slowly, and the ones nearest, with habitual suspicion, edged away from the scattered tufts of grass and weeds which marked the brink of the creek. I tried to get two in line, but could not. There was one gander much larger than any other bird in the lot, though not the closest to me; as he went by just opposite my hiding-place, he stopped still, broadside to me, and I aimed just at the root of the neck—for he was near enough for any one firing a rifle from a rest to hit him about where he pleased. Away flew the others, and in a few

minutes I was riding along with the white gander dangling behind my saddle.

The beaver meadows spoken of above are not common, but, until within the last two or three years, beavers themselves were very plentiful, and there are still a good many left. Although only settled for so short a period, the land has been known to hunters for half a century, and throughout that time it has at intervals been trapped over by whites or half-breeds. If fur was high and the Indians peaceful quite a number of trappers would come in, for the Little Missouri Bad Lands were always famous both for fur and game; then if fur went down, or an Indian war broke out, or if the beaver got pretty well thinned out, the place would be forsaken and the animals would go unmolested for perhaps a dozen years, when the process would be repeated. But the incoming of the settlers and the driving out of the Indians have left the ground clear for the trappers to work over unintermittently, and the extinction of the beaver throughout the plains country is a question of but a short time. Excepting an occasional otter or mink, or a few muskrats, it is the only fur-bearing animal followed by the Western plains trapper; and its large size and the marked peculiarities of its habits, together with the accessibility of its haunts on the plains, as compared with its haunts in the deep

woods and mountains, render its pursuit and capture comparatively easy. We have trapped (or occasionally shot) on the ranch during the past three years several score of beaver; the fur is paler and less valuable than in the forest animal. Those that live in the river do not build dams all across it, but merely extending up some distance against the current, so as to make a deep pool or eddy, beside which are the burrows and houses. It would seem to be a simple feat to break into a beaver house, but in reality it needs no little toil with both spade and axe, for the house has very thick roof and walls, made of clay and tough branches, twisted together into a perfect mat, which, when frozen, can withstand anything but the sharpest and best of tools. At evening beaver often come out to swim, and by waiting on the bank perfectly quietly for an hour or so a close shot can frequently be obtained.

Beaver are often found in the creeks, not only in those which always contain running water, but also in the dry ones. Here they build dams clean across, making ponds which always contain water, even if the rest of the bed is almost dry; and I have often been surprised to find fresh traces of beaver in a pond but a few feet across, a mile away from any other body of water. On one occasion I was deer-hunting in a rough, broken country, which was little more than a tangle of ravines and clefts,

with very steep sides rising into sharp hills. The sides of the ravines were quite densely overgrown with underbrush and young trees, and through one or two of them ran, or rather trickled, small streams, but an inch or two in depth, and often less. Directly across one of these ravines, at its narrowest and steepest part, the beaver had built an immense, massive dam, completely stopping the course of a little brooklet. The dam was certainly eight feet high, and strong enough and broad enough to cross on horseback; and it had turned back the stream until a large pond, almost a little lake, had been formed by it. This was miles from any other body of water, but, judging from the traces of their work, it had once held a large colony of beavers; when I saw it they had all been trapped out, and the pond had been deserted for a year and over. Though clumsy on dry ground, and fearing much to be caught upon it, yet beaver can make, if necessary, quite long overland journeys, and that at a speed with which it will give a man trouble to keep up.

As there are few fish in the plains streams, otters are naturally not at all common, though occasionally we get one. Muskrats are quite plenty in all the pools of water. Sometimes a little pool out on the prairie will show along its edges numerous traces of animal life; for, though of small extent, and a long distance from other water, it may be the

home of beavers and muskrats, the breeding-place of different kinds of ducks, and the drinking-place for the denizens of the dry country roundabouts, such as wolves, antelopes, and badgers.

Although the plains country is in most places very dry, yet there are here and there patches of prairie land where the reverse is true. One such is some thirty miles distant from my ranch. The ground is gently rolling, in some places almost level, and is crossed by two or three sluggish, winding creeks, with many branches, always holding water, and swelling out into small pools and lakelets wherever there is a hollow. The prairie round about is wet, at times almost marshy, especially at the borders of the great reedy slews. These pools and slews are favorite breeding-places for waterfowl, especially for mallard, and a good bag can be made at them in the fall, both among the young flappers (as tender and delicious birds for the table as any I know), and among the flights of wild duck that make the region a stopping-place on their southern migration. In these small pools, with little cover round the edges, the poor flappers are at a great disadvantage; we never shoot them unless we really need them for the table. But quite often, in August or September, if near the place, I have gone down to visit one or two of the pools, and have brought home half a dozen flappers, killed with the rifle if I had

been out after large game, or with the revolver if I had merely been among the cattle,—each duck, in the latter case, representing the expenditure of a vast number of cartridges.

Later in the fall, when the young ducks are grown and the flocks are coming in from the north, fair shooting may be had by lying in the rushes on the edge of some large pond, and waiting for the evening flight of the birds; or else by taking a station on some spot of low ground across which the ducks fly in passing from one sheet of water to another. Frequently quite a bag of mallard, widgeon, and pintail can be made in this manner, although nowhere in the Bad Lands is there any such duck-shooting as is found farther east. Ducks are not very easy to kill, or even to hit, when they fly past. My duck-gun, the No. 10 choke-bore, is a very strong and close shooting piece, and such a one is needed when the strong-flying birds are at any distance; but the very fact of its shooting so close makes it necessary that the aim should be very true; and as a consequence my shooting at ducks has varied from bad to indifferent, and my bags have been always small.

Once I made an unusually successful right and left, however. In late summer and early fall large flocks of both green-winged and blue-winged teal are often seen both on the ponds and on the river, flying up and down the latter. On one oc-

casion while out with the wagon we halted for the midday meal on the bank of the river. Travelling across the plains in company with a wagon, especially if making a long trip, as we were then doing, is both tiresome and monotonous. The scenery through the places where the wagon must go is everywhere much the same, and the pace is very slow. At lunch time I was glad to get off the horse, which had been plodding along at a walk for hours, and stretch my muscles; and noticing a bunch of teal fly past and round a bend in the river, I seized the chance for a little diversion, and taking my double-barrel, followed them on foot. The banks were five or six feet high, edged with a thick growth of cottonwood saplings; so the chance to creep up was very good. On getting round the bend I poked my head through the bushes, and saw that the little bunch I was after had joined a great flock of teal, which was on a sand-bar in the middle of the stream. They were all huddled together, some standing on the bar, and others in the water right by it, and I aimed for the thickest part of the flock. At the report they sprang into the air, and I leaped to my feet to give them the second barrel, when from under the bank right beneath me, two shoveller or spoon-bill ducks rose, with great quacking, and, as they were right in line, I took them instead, knocking both over. When I had fished

out the two shovellers, I waded over to the sand bar and picked up eleven teal, making thirteen ducks with the two barrels.

On one occasion my brother and myself made a short wagon trip in the level, fertile, farming country, whose western edge lies many miles to the east of the Bad Lands around my ranch. There the land was already partially settled by farmers, and we had one or two days' quite fair duck-shooting. It was a rolling country of mixed prairie land and rounded hills, with small groves of trees and numerous little lakes in the hollows. The surface of the natural prairie was broken in places by great wheat fields, and when we were there the grain was gathered in sheaves and stacks among the stubble. At night-time we either put up at the house of some settler, or, if there were none round, camped out.

One night we had gone into camp among the dense timber fringing a small river, which wound through the prairie in a deep narrow bed with steep banks. Until people have actually camped out themselves it is difficult for them to realize how much work there is in making or breaking camp. But it is very quickly done if every man has his duties assigned to him and starts about doing them at once In choosing camp there are three essentials to be looked to—wood, water, and grass The last is found everywhere in the East-

ern prairie land, where we were on our duck-shooting trip, but in many places on the great dry plains farther west, it is either very scanty or altogether lacking; and I have at times been forced to travel half a score miles farther than I wished to get feed for the horses. Water, again, is a commodity not by any means to be found everywhere on the plains. If the country is known and the journeys timed aright, water can easily be had, at least at the night camps, for on a pinch a wagon can be pushed along thirty miles or so at a stretch, giving the tough ponies merely a couple of hours' rest and feed at midday; but in going through an unknown country it has been my misfortune on more than one occasion to make a dry camp—that is, one without any water either for men or horses, and such camps are most uncomfortable. The thirst seems to be most annoying just after sundown; after one has gotten to sleep and the air has become cool, he is not troubled much by it again until within two or three hours of noon next day, when the chances are that he will have reached water, for of course by that time he will have made a desperate push to get to it. When found it is more than likely to be bad, being either from a bitter alkaline pool, or from a hole in a creek, so muddy that it can only be called liquid by courtesy. On the great plains wood is even scarcer, and at least half the time the only

material from which to make a fire will be buffalo chips and sage-brush; the long roots of the latter if dug up make a very hot blaze Of course when wood is so scarce the fire is a small one, used merely to cook by, and is not kept up after the cooking is over.

When a place with grass, wood, and water is found, the wagon is driven up to the windward side of where the beds are to be laid, and the horses are unhitched, watered, and turned out to graze freely until bedtime, when a certain number of them are picketed or hobbled. If danger from white or red horse-thieves is feared, a guard is kept over them all night. The ground is cleared of stones and cacti where the beds are to be placed, and the blankets and robes spread. Generally we have no tent, and the wagon-cover is spread over all to keep out rain. Meanwhile some one gathers the wood and starts a fire. The coffee-pot is set among the coals, and the frying-pan with bacon and whatever game has been shot is placed on top. Like Eastern backwoodsmen, all plainsmen fry about everything that they can get hold of to cook; for my own use I always have a broiler carried along in the wagon. One evening in every three or four is employed in baking bread in the Dutch oven; if there is no time for this, biscuits are made in the frying-pan. The food carried along is very simple, consisting of bacon, flour, coffee,

sugar, baking-powder, and salt; for all else we depend on our guns. On a long trip every old hand carries a water-proof canvas bag, containing his few spare clothes and necessaries; on a short trip a little oilskin one, for the tooth-brush, soap, towel, etc., will do.

On the evening in question our camping-ground was an excellent one; we had no trouble about anything, except that we had to bring water to the horses in pails, for the banks were too steep and rotten to get them down to the river. The beds were made under a great elm, and in a short time the fire was roaring in front of them, while the tender grouse were being roasted on pointed sticks. One of the pleasantest times of camping out is the period immediately after supper, when the hunters lie in the blaze of the firelight, talking over what they have done during the day and making their plans for the morrow. And how soundly a man who has worked hard sleeps in the open, none but he who has tried it knows.

Before we had risen in the morning, when the blackness of the night had barely changed to gray, we were roused by the whistle of wings, as a flock of ducks flew by along the course of the stream, and lit in the water just above the camp. Some kinds of ducks in lighting strike the water with their tails first, and skitter along the surface for a few feet before settling down. Lying in our

blankets we could plainly hear all the motions: first of all, the whistle—whistle of their wings; then a long-drawn splash-h-h—plump; and then a low, conversational quacking. It was too dark to shoot, but we got up and ready, and strolled down along the brink of the river opposite where we could hear them; and as soon as we could see we gave them four barrels and picked up half a dozen scaup-ducks. Breakfast was not yet ready, and we took a turn out on the prairie before coming back to the wagon. In a small pool, down in a hollow, were a couple of little dipper ducks or buffle-heads; they rose slowly against the wind, and offered such fair marks that it was out of the question to miss them.

The evening before we had lain among the reeds near a marshy lake and had killed quite a number of ducks, mostly widgeon and teal; and this morning we intended to try shooting among the cornfields. By sunrise we were a good distance off, on a high ridge, across which we had noticed that the ducks flew in crossing from one set of lakes to another. The flight had already begun, and our arrival scared off the birds for the time being; but in a little while, after we had hidden among the sheaves, stacking the straw up around us, the ducks began to come back, either flying over in their passage from the water, or else intending to light and feed. They were for

the most part mallards, which are the commonest of the Western ducks, and the only species customarily killed in this kind of shooting. They are especially fond of the corn, of which there was a small patch in the grain field. To this flocks came again and again, and fast though they flew we got many before they left the place, scared by the shooting. Those that were merely passing from one point to another flew low, and among them we shot a couple of gadwall, and also knocked over a red-head from a little bunch that went by, their squat, chunky forms giving them a very different look from the longer, lighter-built mallard. The mallards that came to feed flew high in the air, wheeling round in gradually lowering circles when they had reached the spot where they intended to light. In shooting in the grain fields there is usually plenty of time to aim, a snap shot being from the nature of the sport exceptional. Care must be taken to lie quiet until the ducks are near enough; shots are most often lost through shooting too soon. Heavy guns with heavy loads are necessary, for the ducks are generally killed at long range; and both from this circumstance as well as from the rapidity of their flight, it is imperative to hold well ahead of the bird fired at. It has one advantage over shooting in a marsh, and that is that a wounded bird which drops is of course hardly ever lost. Corn-fed

mallards are most delicious eating; they rank on a par with teal and red-head, and second only to the canvas-back—a bird, by the way, of which I have never killed but one or two individuals in the West.

In going out of this field we got a shot at a gang of wild geese. We saw them a long way off, coming straight toward us in a head and tail line. Down we dropped, flat on our faces, remaining perfectly still without even looking up (for wild geese are quick to catch the slightest motion) until the sound of the heavy wing strokes and the honking seemed directly overhead. Then we rose on our knees and fired all four barrels, into which we had slipped buckshot cartridges. They were away up in the air, much beyond an ordinary gunshot; and we looked regretfully after them as they flew off. Pretty soon one lagged a little behind; his wings beat slower; suddenly his long neck dropped, and he came down like a stone, one of the buckshot having gone clean through his breast.

We had a long distance to make that day, and after leaving the grain fields travelled pretty steadily, only getting out of the wagon once or twice after prairie chickens. At lunch time we halted near a group of small ponds and reedy sloughs. In these were quite a number of teal and wood-duck, which were lying singly, in pairs,

or small bunches, on the edges of the reeds, or where there were thick clusters of lily pads; and we had half an hour's good sport in "jumping" these little ducks, moving cautiously along the margin of the reeds, keeping as much as possible concealed from view, and shooting four teal and a wood-duck, as frightened at our near approach, they sprang into the air and made off. Late in the evening, while we were passing over a narrow neck of land that divided two small lakes, with reedy shores, from each other, a large flock of the usually shy pintail duck passed over us at close range, and we killed two from the wagon, making in all a bag of twenty-one and a half couple of waterfowl during the day, two thirds falling to my brother's gun. Of course this is a very small bag indeed compared to those made in the Chesapeake, or in Wisconsin and the Mississippi valley; but the day was so perfect, and there were so many varieties of shooting, that I question if any bag, no matter how large, ever gave much more pleasure to the successful sportsman than did our forty-three ducks to us.

Though ducks fly so fast, and need such good shooting to kill them, yet their rate of speed, as compared to that of other birds, is not so great as is commonly supposed. Hawks, for instance, are faster. Once, on the prairie, I saw a mallard singled out of a flock, fairly overtaken, and struck

down, by a large, light-colored hawk, which I supposed to be a lanner, or at any rate one of the long-winged falcons; and I saw a duck hawk, on the coast of Long Island, perform a similar feat with the swift-flying long-tailed duck—the old squaw, or sou'-sou'-southerly, of the baymen. A more curious instance was related to me by a friend. He was out along a river, shooting ducks as they flew by him, and had noticed a bald eagle perched on the top of a dead tree some distance from him. While looking at it a little bunch of teal flew swiftly by, and to his astonishment the eagle made after them. The little ducks went along like bullets, their wings working so fast that they whistled; flop, flop came the great eagle after them, with labored-looking flight; and yet he actually gained so rapidly on his seemingly fleeter quarry that he was almost up to them when opposite my friend. Then the five teal went down headlong into the water, diving like so many shot. The eagle kept hovering over the spot, thrusting with its claws at each little duck as it came up; but he was unsuccessful, all of the teal eventually getting into the reeds, where they were safe. In the East, by the way, I have seen the same trick of hovering over the water where a flock of ducks had disappeared, performed by a Cooper's hawk. He had stooped at some nearly grown flappers of the black duck; they all

went under water, and he remained just above, grasping at any one that appeared, and forcing them to go under without getting a chance to breathe. Soon he had singled out one, which kept down a shorter and shorter time at each dive; it soon grew exhausted, was a little too slow in taking a dive, and was grasped in the claws of its foe.

In duck-shooting where there are reeds, grass, and water-lilies, the cripples should be killed at once, even at the cost of burning some additional powder, many kinds of waterfowl being very expert at diving. Others, as widgeon, shoveller, and teal, do not dive, merely trying to hide in some hole in the bank; and these are generally birds that fall to the touch of shot much more easily than is the case with their tougher relatives.

There are two or three species of birds, tolerably common over the plains, which we do not often regularly hunt, but which are occasionally shot for the table. These are the curlew, the upland or grass plover, and the golden plover. All three kinds belong to the family of what are called wading birds; but with us it is rare to see any one of them near water.

The curlew is the most conspicuous; indeed its loud, incessant clamor, its erect carriage, and the intense curiosity which possesses it, and which makes it come up to circle around any strange

object, all combine to make it in springtime one of the most conspicuous features of plains life. At that time curlews are seen in pairs or small parties, keeping to the prairies and grassy uplands. They are never silent, and their discordant noise can be heard half a mile off. Whenever they discover a wagon or a man on horseback, they fly toward him, though usually taking good care to keep out of gunshot. They then fly over and round the object, calling all the time, and sometimes going off to one side, where they will light and run rapidly through the grass; and in this manner they will sometimes accompany a hunter or traveller for miles, scaring off all game. By the end of July or August they have reared their young; they then go in small flocks, and are comparatively silent, and are very good eating. I have never made a practice of shooting them, though I have fired at them sometimes with the rifle, and in this way have now and then killed one; twice I have hit them on the wing with this weapon, while they were soaring slowly about above me, occasionally passing pretty near.

The grass plover is found in the same places as the curlew, and, like it, breeds with us. Its flesh is just as good, and it has somewhat the same habits, but is less wary, noisy, and inquisitive. The golden plover is only found during the migrations, when large flocks may sometimes be

seen. They are delicious eating; the only ones I have ever shot have been killed with the little ranch gun, when riding round the ranch, or travelling from one point to another.

Like the grouse and other ground-nesting birds, the curlews and plovers during breeding time have for their chief foes the coyotes, badgers, skunks, and other flesh-eating prowlers; and as all these are greatly thinned off by the cattlemen, with their firearms and their infinitely more deadly poison, the partial and light settlement of the country that accompanies the cattle industry has had the effect of making all these birds more plentiful than before; and, most unlike the large game, game birds bid fair to increase in numbers during the next few years.

The skunks are a nuisance in more ways than one. They are stupid, familiar beasts, with a great predilection for visiting camps, and the shacks or huts of the settlers, to pick up any scraps of meat that may be lying round. I have time and again known a skunk to actually spend several hours of the night in perseveringly digging a hole underneath the logs of a hut, so as to get inside among the inmates. The animal then hunts about among them, and of course no one will willingly molest it; and it has often been known to deliberately settle down upon and begin to eat one of the sleepers. The strange and terrible

thing about these attacks is that in certain districts and at certain times the bite of the skunk is surely fatal, producing hydrophobia; and many cowmen, soldiers, and hunters have annually died from this cause. There is no wild beast in the West, no matter what its size and ferocity, so dreaded by our plainsmen as this seemingly harmless little beast.

I remember one rather ludicrous incident connected with a skunk. A number of us, among whom was a huge happy-go-lucky Scotchman, who went by the name of Sandy, were sleeping in a hut, when a skunk burrowed under the logs and got in. Hearing it moving about among the tin pans Sandy struck a light, was much taken by the familiarity of the pretty black and white little animal, and, as it seemed in his eyes a curiosity, took a shot at it with his revolver. He missed; the skunk, for a wonder, retired promptly without taking any notice of the attack; and the rest of the alarmed sleepers, when informed of the cause of the shot, cursed the Scotchman up hill and down dale for having so nearly brought dire confusion on them all. The latter took the abuse very philosophically, merely remarking: "I'm glad a did na kill him mysel'; he seemed such a dacent wee beastie." The sequel proved that neither the skunk nor Sandy had learned any wisdom by the encounter, for half an hour later the "dacent

wee beastie" came back, and this time Sandy fired at him with fatal effect. Of course, the result was a frantic rush of all hands from the hut, Sandy exclaiming with late but sincere repentance: "A did na ken 't wad cause such a tragadee."

Besides curlew and plover, there are, at times, especially during the migrations, a number of species of other waders to be found along the streams and pools in the cattle region. Yellow legs, yelper, willet, marlin, dough bird, stilt, and avocet are often common, but they do not begin to be as plentiful as they are in the more fertile lands to the eastward, and the ranchmen never shoot at them or follow them as game birds.

A more curious bird than any of these is the plains plover, which avoids the water and seems to prefer the barren plateaus and almost desert-like reaches of sage-brush and alkali. Plains plovers are pretty birds, and not at all shy. In fall they are fat and good eating, but they are not plentiful enough to be worth going after. Sometimes they are to be seen in the most seemingly unlikely places for a wader to be. Last spring one pair nested in a broken piece of Bad Lands near my ranch, where the ground is riven and twisted into abrupt, steep crests and deep canyons. The soil is seemingly wholly unfitted to support bird life, as it is almost bare of vegetation, being

covered with fossil plants, shells, fishes, etc.—all of which objects, by the way, the frontiersman, who is much given to broad generalization, groups together under the startling title of "stone clams."

CHAPTER III

THE GROUSE OF THE NORTHERN CATTLE PLAINS

TO my mind, there is no comparison between sport with the rifle and sport with the shot-gun. The rifle is the freeman's weapon. The man who uses it well in the chase shows that he can at need use it also in war with human foes. I would no more compare the feat of one who bags his score of ducks or quail with that of him who fairly hunts down and slays a buck or bear, than I would compare the skill necessary to drive a buggy with that required to ride a horse across country; or the dexterity acquired in handling a billiard cue with that shown by a skilful boxer or oarsman. The difference is not one of degree; it is one of kind.

I am far from decrying the shot-gun. It is always pleasant as a change from the rifle, and in the Eastern States it is almost the only firearm which we now have a chance to use. But out in the cattle country it is the rifle that is always carried by the ranchman who cares for sport. Large game is still that which is sought after, and most of the birds killed are either simply slaughtered for the pot, or else shot for the sake of variety, while

really after deer or antelope; though every now and then I have taken a day with the shot-gun after nothing else but prairie fowl.

The sharp-tailed prairie fowl is much the most plentiful of the feathered game to be found on the northern cattle plains, where it replaces the common prairie chicken so abundant on the prairies to the east and southeast of the range of our birds. In habits, it is much like the latter, being one of the grouse which keeps to the open, treeless tracts, though it is far less averse to timber than is its nearest relative, and often is found among the cottonwood trees and thick brush which fringe the streams. I have never noticed that its habits, when pursued, differ much from those of the common prairie chicken, though it is perhaps a little more shy, and is certainly much more apt to light on a tree, like the ruffed grouse. It is, however, essentially a bird of the wilds, and it is a curious fact that it is seen to retreat before civilization, continually moving westward as the wheat fields advance, while its place is taken by the common form, which seems to keep pace with the settlement of the country. Like the latter bird, and unlike the ruffed grouse and blue grouse, which have white meat, its flesh is dark, and it is very good eating from about the middle of August to the middle of November, after which it is a little tough.

As already said, the ranchmen do not often make a regular hunt after these grouse. This is partly because most of them look with something akin to contempt upon any firearm but the rifle or revolver, and partly because it is next to impossible to keep hunting-dogs very long on the plains. The only way to check, in any degree, the ravages of the wolves is by the most liberal use of strychnine, and the offal of any game killed by a cattleman is pretty sure to be poisoned before being left, while the "wolfer," or professional wolf-killer, strews his bait everywhere. It thus comes about that any dog who is in the habit of going any distance from the house is almost sure to run across and eat some of the poisoned meat, the effect of which is almost certain death. The only time I have ever shot sharp-tailed prairie fowl over dogs was during a trip to the eastward with my brother, which will be described farther on. Out on the plains, I have occasionally taken a morning with the shot-gun after them, but more often have either simply butchered them for the pot, when out of meat, or else have killed a few with the rifle when I happened to come across them while after deer or antelope.

Occasions frequently arise, in living a more or less wild life, when a man has to show his skill in shifting for himself; when, for instance, he has to go out and make a foray upon the grouse, neither

for sport, nor yet for a change of diet, but actually for food. Under such circumstances, he, of course, pays no regard to the rules of sport which would govern his conduct on other occasions. If a man's dinner for several consecutive days depends upon a single shot, he is a fool if he does not take every advantage he can. I remember, for instance, one time when we were travelling along the valley of the Powder River, and got entirely out of fresh meat, owing to my making a succession of ludicrously bad misses at deer. Having had my faith in my capacity to kill anything whatever with the rifle a good deal shaken, I started off one morning on horseback with the shot-gun. Until nearly noon I saw nothing; then, while riding through a barren-looking bottom, I happened to spy some prairie fowl squatting close to the ground underneath a sage-brush. It was some minutes before I could make out what they were, they kept so low and so quiet, and their color harmonized so well with their surroundings. Finally, I was convinced that they were grouse, and rode my horse slowly by them. When opposite, I reined him in and fired, killing the whole bunch of five birds. Another time, at the ranch our supply of fresh meat gave out entirely, and I sallied forth with the ranch gun, intent, not on sport, but on slaughter. It was late fall, and as I rode along in the dawn (for the sun was not

up) a small pack of prairie-fowl passed over my head and lit on a dead tree that stood out some little distance from a grove of cottonwoods. They paid little attention to me, but they are so shy at that season that I did not dare to try to approach them on foot, but let the horse jog on at the regular cow-pony gait,—a kind of single-foot pace, between a walk and a trot,—and as I passed by fired into the tree and killed four birds. Now, of course, I would not have dreamed of taking either of these shots had I been out purely for sport, and neither needed any more skill than would be shown in killing hens in a barn-yard; but, after all, when one is hunting for one's dinner he takes an interest in his success which he would otherwise lack, and on both occasions I felt a most unsportsmanlike glee when I found how many I had potted.

The habits of this prairie-fowl vary greatly at different seasons of the year. It is found pretty much everywhere within moderate distance of water, for it does not frequent the perfectly dry wastes where we find the great sage-cock. But it is equally at home on the level prairie and among the steep hills of the Bad Lands. When on the ground it has rather a comical look, for it stands very high on its legs, carries its sharp little tail cocked up like a wren's and when startled stretches its neck out straight; altogether, it gives one the

impression of being a very angular bird. Of course, it crouches, and moves about when feeding, like any other grouse.

One of the strangest, and to me one of the most attractive, sounds of the prairie is the hollow booming made by the cocks in spring. Before the snow has left the ground they begin, and at the break of morning their deep resonant calls sound from far and near, for in still weather they can be heard at an immense distance. I hardly know how to describe the call; indeed it cannot be described in words. It has a hollow, vibrant sound, like that of some wind instrument, and would hardly be recognized as a bird note at all. I have heard it at evening, but more often shortly after dawn; and I have often stopped and listened to it for many minutes, for it is as strange and weird a form of natural music as any I know. At the time of the year when they utter these notes the cocks gather together in certain places and hold dancing rings, posturing and strutting about as they face and pass each other.

The nest is generally placed in a tuft of grass or under a sage-brush in the open, but occasionally in the brush wood near a stream. The chicks are pretty little balls of mottled brown and yellow down. The mother takes great care of them, leading them generally into some patch of brushwood, but often keeping them out in the deep

grass. Frequently, when out among the cattle, I have ridden my horse almost over a hen with a brood of chicks. The little chicks first attempt to run off in single file; if discovered, they scatter and squat down under clods of earth or tufts of grass. Holding one in my hand near my pocket, it scuttled into it like a flash. The mother, when she sees her brood discovered, tumbles about through the grass as if wounded, in the effort to decoy the foe after her. If she is successful in this, she takes a series of short flights, keeping just out of reach of her pursuer, and when the latter has been lured far enough from the chicks the hen rises and flies off at a humming speed.

By the middle of August the young are well enough grown to shoot, and are then most delicious eating. Different coveys at this time vary greatly in their behavior if surprised feeding in the open. Sometimes they will not permit a very close approach, and will fly off after one or two have been shot; while, again, they will show perfect indifference to the approach of man, and will allow the latter to knock off the heads of five or six with his rifle before the rest take the alarm and fly off. They now go more or less over the open ground, but are especially fond of frequenting the long grass in the bottoms of the coulies and ravines and the dense brush along the edges of the creeks and in the valleys; there they will

invariably be found at midday, and will lie till they are almost trodden on before rising.

Late in the month of August one year we had been close-herding a small bunch of young cattle on a bottom about a mile square, walled in by bluffs, and with, as an inlet, a long, dry creek running back many miles into the Bad Lands, where it branched out into innumerable smaller creeks and coulies. We wished to get the cattle accustomed to the locality, for animals are more apt to stray when first brought on new ground than at any later period; so each night we "bedded" them on the level bottom—that is, gathering them together on the plain, one of us would ride slowly and quietly round and round the herd, heading off and turning back into it all beasts that tried to stray off, but carefully avoiding disturbing them or making any unusual noise; and by degrees they would all lie down, close together. This "bedding down" is always done when travelling with a large herd, when, of course, it needs several cowboys to do it; and in such cases some of the cowboys keep guard all the time, walking their horses round the herd, and singing and calling to the cattle all night long. The cattle seem to like to hear the human voice, and it tends to keep them quiet and free from panic. Often when camping near some great cattle outfit I have lain awake at night for an hour or over listening

to the wild, not unmusical calls of the cowboys as they rode round the half-slumbering steers. In the clear, still night air the calls can be heard for a mile and more, and I like to listen to them as they come through the darkness, half-mellowed by the distance, for they are one of the characteristic sounds of plains life. Texan steers often give considerable trouble before they can be bedded, and are prone to stampede, especially in a thunder-storm. But with the little herd we were at this time guarding there was no difficulty whatever, the animals being grade shorthorns of Eastern origin. After seeing them quiet, we would leave them for the night, again riding out early in the morning.

On every occasion when we thus rode out in the morning we saw great numbers of prairie-fowl feeding in the open plain in small flocks, each evidently composed of a hen and her own brood. They would often be right round the cattle, and went indifferently among the sage-brush or out on the short prairie grass. They flew into the bottom from some distance off about daybreak, fed for a couple of hours, and soon after sunrise again took wing and flew up along the course of the dry creek mentioned above. While on the bottom they were generally quite shy, not permitting anything like a close approach before taking wing. Their habit of crowing or clucking while

flying off is very noticeable; it is, by the way, a most strongly characteristic trait of this species. I have been especially struck by it when shooting in Minnesota, where both the sharp-tail and the common prairie-fowl are found; the contrast between the noisiness of one bird and the quiet of the other was very marked. If one of us approached a covey on horseback, the birds would, if they thought they were unobserved, squat down close to the ground; more often they would stand very erect, and walk off. If we came too close to one it would utter a loud kuk-kuk-kuk, and be off, at every few strokes of its wings repeating the sound—a kind of crowing cluck. This is the note they utter when alarmed, or when calling to one another. When a flock are together and undisturbed, they keep up a sociable, garrulous cackling.

Every morning, by the time the sun had been up a little while, the grouse had all gone from the bottom, but later in the day, while riding along the creek among the cattle, we often stumbled upon little flocks. We fired at them with our revolvers whenever we were close enough, but the amount we got in this way was very limited, and as we were rather stinted for fresh meat, the cattle taking up so much of our time as to prevent our going after deer, I made up my mind to devote a morning to hunting up the creeks and coulies for grouse, with the shot-gun.

Accordingly, the next morning I started, just about the time the last of the flocks were flying away from their feeding-grounds on the bottom. I trudged along on foot, not wanting to be bothered by a horse. The air was fresh and cool, though the cloudless sky boded a hot noon. As I walked by the cattle they stopped grazing and looked curiously at me, for they were unused to seeing any man not on horseback. But they did not offer to molest me; Texan or even Northern steers bred on the more remote ranges will often follow and threaten a footman for miles. While passing among the cattle, it was amusing to see the actions of the little cow-buntings. They were very familiar little birds, lighting on the backs of the beasts, and keeping fluttering round their heads as they walked through the grass, hopping up into the air all the time. At first, I could not make out what they were doing; but on watching them closely, saw that they were catching the grasshoppers and moths which flew into the air to avoid the cattle's hoofs. They are as tame with horsemen; while riding through a patch of tall grass a flock of buntings will often keep circling within a couple of yards of the horse's head, seizing the insects as they fly up before him.

The valley through which the creek ran was quite wide, bordered by low buttes. After a heavy rainfall the water rushes through the at other

times dry bed in a foaming torrent, and it thus cuts it down into a canyon-like shape, making it a deep, winding narrow ditch, with steep sides. Along the edges of this ditch were dense patches, often quite large, of rose-bushes, bull-berry bushes, ash, and wild cherry, making almost impenetrable thickets, generally not over breast high. In the bottom of the valley, along the edges of the stream-bed, the grass was long and coarse, entirely different from the short fine bunch-grass a little farther back, the favorite food of the cattle.

Almost as soon as I had entered the creek, in walking through a small patch of brush I put up an old cock, as strong a flyer as the general run of October birds. Off he went, with a whirr, clucking and crowing; I held the little 16-bore fully two feet ahead of him, pulled the trigger, and down he came into the bushes. The sharp-tails fly strongly and steadily, springing into the air when they rise, and then going off in a straight line, alternately sailing and giving a succession of rapid wing-beats. Sometimes they will sail a long distance with set wings before alighting, and when they are passing overhead with their wings outstretched each of the separate wing feathers can be seen, rigid and distinct.

Picking up and pocketing my bird, I walked on, and on turning round a shoulder of the bluffs saw

a pair of sharp-tails sitting sunning themselves on the top of a bullberry bush. As soon as they saw me they flew off a short distance and lit in the bed of the creek. Rightly judging that there were more birds than those I had seen I began to beat with great care the patches of brush and long grass on both sides of the creek, and soon was rewarded by some very pretty shooting. The covey was a large one, composed of two or three broods of young prairie-fowl, and I had struck on the exact place, a slight hollow filled with low brush and tall grass, where they were lying. They lay very close, and my first notice of their presence was given by one that I almost trod on, which rose from fairly between my feet. A young grouse at this season offers an easy shot, and he was dropped without difficulty. At the report two others rose and I got one. When I had barely reloaded the rest began to get up, singly or two or three at a time, rising straight up to clear the edge of the hollow, and making beautiful marks; when the last one had been put up I had down seven birds, of which I picked up six, not being able to find the other. A little farther I put up and shot a single grouse, which fell into a patch of briars I could not penetrate. Then for some time I saw nothing, although beating carefully through every likely looking place. One patch of grass, but a few feet across, I walked

directly through without rousing anything; happening to look back, when I had gone some fifty yards, I was surprised to see a dozen heads and necks stretched up, and eyeing me most inquisitively; their owners were sharp-tails, a covey of which I had almost walked over without their making a sign. I strode back; but at my first step they all stood up straight, with their absurd little tails held up in the air, and at the next step away they went, flying off a quarter of a mile and then scattering in the bushy hollows where a coulie headed up into the buttes. (Grouse at this season hardly ever light in a tree.) I marked them down carefully and tramped all through the place, yet I only succeeded in putting up two, of which I got one and missed the other with both barrels. After that I walked across the heads of the coulies but saw nothing except in a small swale of high grass, where there was a little covey of five of which I got two with a right and left. It was now very hot, and I made for a spring which I knew ran out of a cliff a mile or two off. There I stayed till long after the shadows began to lengthen, when I started homeward. For some miles I saw nothing, but as the evening came on the grouse began to stir. A small party flew over my head, and though I missed them with both barrels, either because I miscalculated the distance or

for some other reason, yet I marked them down very well, and when I put them up again got two. Three times afterward I came across coveys, either flying or walking out from the edges of the brushes, and I got one bird out of each, reaching home just after sunset with fifteen sharp-tails strung over my back. Of course, working after grouse on an August day in this manner, without a dog, is very tiring, and no great bag can be made without a pointer or setter.

In September, the sharp-tails begin to come out from the brushy coulies and creek bottoms, and to wander out among the short grass of the ravines and over the open prairie. They are at first not very shy, and in the early part of the month I have once or twice had good sport with them. Once I took a companion in the buckboard, and drove during the course of the day twenty or twenty-five miles along the edge of the rolling prairie, crossing the creeks and skirting the wooded basins where the Bad Lands began. We came across quite a number of coveys, which in almost all cases waited for us to come up, and as the birds did not rise all together, I got three or four shots at each covey, and came home with ten and a half couple.

A little later the birds become shy and acquire their full strength of wing. They now wander far out on the prairie, and hardly ever make any

effort to squat down and conceal themselves in the marvellous way which they have earlier in the season, but, on the contrary, trust to their vigilance and their powers of flight for their safety. On bare ground it is now impossible to get anywhere near them, but if they are among sagebrush or in other low cover they afford fine sport to a good shot, with a close-shooting, strong-hitting gun. I remember one evening, while coming over with a wagon-team from the head waters of O'Fallon Creek, across the Big Sandy, when it became a matter of a good deal of interest for us to kill something, as otherwise we would have had very little to eat. We had camped near a succession of small pools, containing one or two teal, which I shot; but a teal is a small bird when placed before three hungry men. Sharp-tails, however, were quite numerous, having come in from round about, as evening came on, to drink. They were in superb condition, stout and heavy, with clean, bright plumage, but very shy; and they rose so far off and flew so strongly and swiftly that a good many cartridges were spent before four of the plump, white-bellied birds were brought back to the wagon in my pockets.

Later than this they sometimes unite into great packs containing hundreds of individuals, and then show a strong preference for the timbered ravines and the dense woods and underbrush of

the river bottoms, the upper branches of the trees being their favorite resting-places. On very cold mornings, when they are feeling numb and chilled, a man can sometimes get very close up to them, but as a rule they are very wild, and the few I have killed at this season of the year have been shot with the rifle, either from a tree or when standing out on the bare hillsides, at a considerable distance. They offer very pretty marks for target practice with the rifle, and it needs a good shot to hit one at eighty or a hundred yards.

But, though the shot-gun is generally of no use late in the season, yet last December I had a good afternoon's sport with it. There was a light snow falling, and having been in the house all the morning, I determined to take a stroll out in the afternoon with the shot-gun. A couple of miles from the house was a cedar canyon—that is, a canyon one of whose sides was densely wooded with gnarled, stunted evergreens. This had been a favorite resort for the sharp-tails for some time, and it was especially likely that they would go to it during a storm, as it afforded fine shelter, and also food. The buttes bounding it on the side where the trees were, rose to a sharp crest, which extended along, with occasional interruptions, for over a mile, and by walking along near this and occasionally looking out over it, I judged I would get up close to the grouse, while the falling snow

and the wind would deaden the report of the gun, and not let it scare all the prairie-fowl out of the canyon at the first fire. It came out as I had planned and expected. I climbed up to the crest near the mouth of the gorge, braced myself firmly, and looked over the top. At once a dozen sharp-tails, who had perched in the cedar tops almost at my feet, took wing, crossed over the canyon, and as they rose all in a bunch to clear the opposite wall I fired both barrels into the brown, and two of the birds dropped down to the bottom of the ravine. They fell on the snow-covered open ground, where I could easily find them again, and as it would have been a great and useless labor to have gone down for them, I left them where they were and walked on along the crest. Before I had gone a hundred yards I had put up another sharp-tail from a cedar and killed him in fine style as he sailed off below me. The snow and bad weather seemed to make the prairie-fowl disinclined to move. There must have been a good many score of them scattered in bunches among the cedars, and as I walked along I put up a covey or a single bird every two or three hundred yards. They were always started when I was close up to them, and the nature of the place made them offer excellent shots as they went off, while, when killed, they dropped down on the snow-covered canyon bottom, where they could

be easily recovered on my walk home. When the sharp-tails had once left the canyon, they scattered among the broken buttes. I tried to creep up to one or two, but they were fully as wild and watchful as deer, and would not let me come within a hundred yards of them; so I turned back climbed down into the canyon, and walked homeward through it, picking up nine birds on the way, the result of a little over an hour's shooting. Most of them were dead outright; and the two or three who had been only wounded were easily followed by the tracks they made in the tell-tale snow.

Most of the prairie-fowl I have killed, however, have not been obtained in the course of a day or an afternoon regularly spent after them for the sake of sport, but have simply been shot with whatever weapon came handy, because we actually needed them for immediate use. On more than one occasion I would have gone supperless or dinnerless had it not been for some of these grouse; and one such instance I will give.

One November, about the middle of the month, we had driven in a beef herd (which we wished to ship to the cattle-yards) round the old cantonment building, in which a few years ago troops had been stationed to guard against Indian outbreaks. Having taken care of the beef herd, I determined to visit a little bunch of cattle which was some

thirty-five miles down the river, under the care of one of my men—a grizzled old fellow, born in Maine, whose career had been varied to an extent only possible in America, he having successively followed the occupations of seaman, druggist, clerk, buffalo hunter, and cowboy.

I intended to start about noon, but there was so much business to settle that it was an hour and a half afterwards before I put spurs to the smart little cow-pony and loped briskly down the valley. It was a sharp day, the mercury well down towards zero; and the pony, fresh and untired, and impatient of standing in the cold, went along at a good rate; but darkness sets in so early at this season that I had not gone many miles before I began to fear that I would not reach the shack by nightfall. The well-beaten trail followed along the bottoms for some distance and then branched out into the Bad Lands, leading up and down through the ravines and over the ridge crests of some very rough and broken country, and crossing a great level plateau, over which the wind blew savagely, sweeping the powdery snow clean off of the bent blades of short brown grass After making a wide circle of some twelve miles, the trail again came back to the Little Missouri, and led along the bottoms between the rows of high bluffs, continually crossing and recrossing the river. These crossings

were difficult and disagreeable for the horse, as they always are when the ice is not quite heavy enough to bear. The water had not frozen until two or three days before, and the cold snap had not yet lasted long enough to make the ice solid, besides which it was covered with about half an inch of light snow that had fallen, concealing all bad-looking places. The ice, after bearing the cautiously stepping pony for a few yards, would suddenly break and let him down to the bottom, and he would then have to plunge and paw his way through to the opposite shore. Often it is almost impossible to make a pony attempt the crossing under such difficulties; and I have seen ponies which had to be knocked down and pulled across glare ice on their sides. If the horse slips and falls it is a serious matter to the rider; for a wetting in such cold weather, with a long horseback journey to make, is no joke.

I was still several miles from the hut I was striving to reach when the sun set; and for some time previous the valley had been in partial darkness, though the tops of the sombre bluffs around were still lit up. The pony loped steadily on along the trail, which could be dimly made out by the starlight. I hurried the willing little fellow all I could without distressing him, for, though I knew the road pretty well, yet I doubted if I could find it easily in perfect darkness; and the clouds were

gathering overhead with a rapidity which showed that the starlight would last but a short while. The light snow rendered the hoof-beats of my horse muffled and indistinct; and almost the only sound that broke the silence was the long-drawn, melancholy howling of a wolf, a quarter of a mile off. When we came to the last crossing the pony was stopped and watered; and we splashed through over a rapid where the ice had formed only a thin crust. On the opposite side was a large patch of cottonwoods, thickly grown up with underbrush, the whole about half a mile square. In this was the cowboy's shack, but as it was now pitch dark I was unable to find it until I rode clean through to the cow-corral, which was out in the open on the other side. Here I dismounted, grouped around till I found the path, and then easily followed it to the shack.

Rather to my annoyance, the cowboy was away, having run out of provisions, as I afterwards learned; and, of course, he had left nothing to eat behind him. The tough little pony was, according to custom, turned loose to shift for himself; and I went into the low, windowless hut, which was less than twelve feet square. In one end was a great chimney place, and it took but a short time to start a roaring fire which speedily made the hut warm and comfortable. Then I went down to the river with an axe and a pail, and got some

water; I had carried a paper of tea in my pocket, and the tea-kettle was soon simmering away. I should have liked something to eat, but as I did not have it, the tea did not prove such a bad substitute for a cold and tired man.

Next morning I sallied out at break of day with the rifle, for I was pretty hungry. As soon as I stepped from the hut I could hear the prairie-fowl crowing and calling to one another from the tall trees. There were many score—many hundreds would perhaps be more accurate—scattered through the wood. Evidently they had been attracted by the good cover and by the thick growth of choke-cherries and wild plums. As the dawn brightened, the sharp-tails kept up incessantly their hoarse clucking, and small parties began to fly down from their roosts to the berry-bushes. While perched up among the bare limbs of the trees, sharply outlined against the sky, they were very conspicuous. Generally, they crouched close down, with the head drawn in to the body and the feathers ruffled, but when alarmed or restless they stood up straight with their necks stretched out, looking very awkward. Later in the day, they would have been wild and hard to approach, but I kept out of their sight, and sometimes got two or three shots at the same bird before it flew off. They offered beautiful marks, and I could generally get a rest

for my rifle, while in the gray morning, before sunrise, I was not very conspicuous myself, and could get up close beneath where they were; so I did not have much trouble in killing five, almost all of them shot very nearly where the neck joins the body, one having the head fairly cut off. Salt, like tea, I had carried with me, and it was not long before two of the birds, plucked and cleaned, were split open and roasting before the fire. And to me they seemed most delicious food, although even in November the sharp-tails, while keeping their game flavor, have begun to be dry and tough, most unlike the tender and juicy young of August and September.

The best day's work I ever did after sharp-tails was in the course of the wagon-trip, already mentioned, which my brother and I made through the fertile farming country to the eastward. We had stopped over night with a Norwegian settler, who had taken and adapted to a farmhouse an old log trading-post of one of the fur companies, lying in the timber which fringed a river, and so stoutly built as to have successfully withstood the assaults of Time. We were travelling in a light, covered wagon, in which we could drive anywhere over the prairie. Our dogs would have made an eastern sportsman blush, for, when roughing it in the West we have to put up with any kind of mongrel makeshift, and the best dog gets pretty

well battered after a season or two. I never had a better duck-retriever than a little yellow cur, with hardly a trace of hunting blood in his veins. On this occasion we had a stiff-jointed old pointer with a stub tail, and a wild young setter pup, tireless and ranging very free (a Western dog on the prairies should cover five times the ground necessary for an Eastern one to get over), but very imperfectly trained.

Half of the secret of success on a shooting-trip lies in getting up early and working all day; and this at least we had learned, for we were off as soon as there was light enough by which to drive. The ground, of course, was absolutely fenceless, houses being many miles apart. Through the prairie, with its tall grass, in which the sharp-tails lay at night and during the day, were scattered great grain fields, their feeding-grounds in the morning and evening. Our plan was to drive from one field to another, getting out at each and letting the dogs hunt it over. The birds were in small coveys and lay fairly well to the dogs, though they rose much farther off from us in the grain fields than they did later in the day, when we flushed them from the tall grass of the prairie (I call it tall grass in contradistinction to the short bunch-grass of the cattle plains to the westward). Old stub-tail, though slow, was very staunch and careful, never flushing a bird, while the puppy,

from pure heedlessness, and with the best intentions, would sometimes bounce into the midst of a covey before he knew of their presence. On the other hand, he covered twice the ground that the pointer did. The actual killing the birds was a good deal like quail-shooting in the East, except that it was easier, the marks being so much larger. When we came to a field we would beat through it a hundred yards apart, the dogs ranging in long diagonals. When either the setter or the pointer came to a stand, the other generally backed him. If the covey was near enough, both of us—otherwise, whichever was closest—walked cautiously up. The grouse generally flushed before we came up to the dog, rising all together, so as to give only a right and left.

When the morning was well advanced, the grouse left the stubble fields and flew into the adjoining prairie. We marked down several coveys into one spot, where the ground was rolling and there were here and there a few bushes in the hollows. Carefully hunting over this, we found two or three coveys and had excellent sport out of each. The sharp-tails in these places lay very close, and we had to walk them up, when they rose one at a time, and thus allowed us shot after shot; whereas, as already said, earlier in the day we merely got a quick right and left at each covey. At least half the time we were shooting in

our rubber overcoats, as the weather was cloudy and there were frequent flurries of rain.

We rested a couple of hours at noon for lunch, and the afternoon's sport was simply a repetition of the morning's, except that we had but one dog to work with; for, shortly after mid-day, the stub-tailed pointer, for his sins, encountered a skunk, with which he waged prompt and valiant battle—thereby rendering himself, for the balance of the time, wholly useless as a servant and highly offensive as a companion.

The setter pup did well, ranging very freely, but naturally got tired and careless, flushing his birds half the time; and we had to stop when we still had a good hour of daylight left. Nevertheless, we had in our wagon, when we came in at night, a hundred and five grouse, of which sixty-two had fallen to my brother's gun, and forty-three to mine. We would have done much better with more serviceable dogs; besides, I was suffering all day long from a most acute colic, which was anything but a help to good shooting.

Besides the sharp-tail, there is but one kind of grouse found in the northern cattle plains. This is the sage-cock, a bird the size of a young turkey, and, next to the Old World capercailzie or cock of the woods, the largest of the grouse family. It is a handsome bird, with a long pointed tail and black

belly, and is a very characteristic form of the regions which it inhabits.

It is peculiarly a desert grouse, for though sometimes found in the grassy prairies and on the open river bottoms, it seems really to prefer the dry, arid wastes, where the withered-looking sage-brush and the spiny cactus are almost the only plants to be found, and where the few pools of water are so bitterly alkaline as to be nearly undrinkable. It is pre-eminently the grouse of the plains, and, unlike all of its relatives, is never found near trees; indeed, no trees grow in its haunts.

As is the case with the two species of prairie-fowl, the cocks of this great bird become very noisy in the early spring. If a man happens at that season to be out in the dry plains which are frequented by the sage-fowl, he will hear in the morning, before sunrise, the deep, sonorous booming of the cocks, as they challenge one another or call to their mates. This call is uttered in a hollow, bass tone, and can be heard a long distance in still weather; it is difficult to follow up, for it has a very ventriloquial effect.

Unlike the sharp-tail, the habits and haunts of the sage-fowl are throughout the year the same, except that it grows shyer as the season advances, and occasionally wanders a little farther than formerly from its birthplace. It is only found where

the tough, scraggly wild sage abounds, and it feeds for most of the year solely on sage leaves, varying this diet in August and September by quantities of grasshoppers. Curiously enough, it does not possess any gizzard, such as most gallinaceous birds have, but has in its place a membranous stomach, suited to the digestion of its peculiar food.

The little chicks follow their mother as soon as hatched, and she generally keeps them in the midst of some patch of sage-brush so dense as to be almost impenetrable to man or beast. The little fellows skulk and dodge through the crooked stems so cleverly that it is almost impossible to catch them. Early in August, when the brood is well grown, the mother leads them out, and during the next two months they are more often found out on the grassy prairies than is the case at any other season. They do not form into packs like the prairie-fowl as winter comes on, two broods at the outside occasionally coming together; and they then again retire to the more waste parts of the plains, living purely on sage leaves, and keeping closely to the best-sheltered hollows until the springtime.

In the early part of the season, the young, and, indeed, their parents also, are tame and unsuspicious to the very verge of stupidity, and at this time are often known by the name of "fool-hens" among the frontiersmen. They grow shyer as the

season advances, and after the first of October are difficult to approach, but even then are rarely as wild as the sharp-tails.

It is commonly believed that the flesh of the sage-fowl is uneatable, but this is very far from being the truth, and, on the contrary, it is excellent eating in August and September, when grasshoppers constitute their chief food, and, if the birds are drawn as soon as shot, is generally perfectly palatable at other seasons of the year. The first time I happened to find this out was on the course of a trip, taken with one of my foremen as a companion, through the arid plains to the westward of the Little Missouri. We had been gone for two or three days and camped by a mud hole, which was almost dry, what water it still held being almost as thick as treacle. Our luxuries being limited, I bethought me of a sage-cock which I had shot during the day and had hung to the saddle. I had drawn it as soon as it was picked up, and I made up my mind to try how it tasted. A good deal to our surprise, the meat, though dark and coarse-grained, proved perfectly well flavored, and was quite as good as wild-goose, which it much resembled. Some young sage-fowl, shot shortly afterward, proved tender and juicy, and tasted quite as well as sharp-tails. All of these birds had their crops crammed with grasshoppers, and doubtless the nature of their food

Grouse Shooting.

W. L. HUDSON.

had much to do with their proving so good for the table. An old bird, which had fed on nothing but sage, and was not drawn when shot, would, beyond question, be very poor eating. Like the spruce grouse and the two kinds of prairie-fowl, but unlike the ruffed grouse and blue grouse, the sage-fowl has dark meat.

In walking and running on the ground, sage-fowl act much like common hens, and can skulk through the sage-brush so fast that it is often difficult to make them take wing. When surprised, they will sometimes squat flat down with their heads on the ground, when it is very difficult to make them out, as their upper parts harmonize curiously in color with the surroundings. I have never known of their being shot over a dog, and, indeed, the country where they are found is so dry and difficult that no dog would be able to do any work in it.

When flushed, they rise with a loud whirring, laboring heavily, often clucking hoarsely; when they get fairly under way, they move along in a strong, steady flight, sailing most of the time, but giving, every now and then, a succession of powerful wing-beats, and their course is usually sustained for a mile or over before they light. They are very easy marks, but require hard hitting to bring them down, for they are very tenacious of life. On one occasion, I came upon a flock and

shot an old cock through the body with the rifle. He fell over, fluttering and kicking, and I shot a young one before the rest of the flock rose. To my astonishment, the old cock recovered himself and made off after them, actually flying for half a mile before he dropped. When I found him he was quite dead, the ball having gone clean through him. It was a good deal as if a man had run a mile with a large grapeshot through his body.

Most of the sage-fowl I have killed have been shot with the rifle when I happened to run across a covey while out riding, and wished to take two or three of them back for dinner. Only once did I ever make a trip with the shot-gun for the sole purpose of a day's sport with these birds.

This was after having observed that there were several small flocks of sage-fowl at home on a great plateau or high plain, crossed by several dry creeks, which was about eight miles from the cow-camp where I was staying; and I concluded that I would devote a day to their pursuit. Accordingly, one morning I started out on horseback with my double-barrel 10-bore and a supply of cartridges loaded with No. 4 shot; one of my cowboys went with me, carrying a rifle so as to be ready if we ran across any antelope. Our horses were fresh, and the only way to find the birds was to cover as much ground as possible; so as soon as we reached the plateau we loped across it in

parallel lines till we struck one of the creeks, when we went up it, one on each side, at a good gait, and then crossed over to another, where we repeated the operation. It was nearly noon when, while going up the third creek, we ran into a covey of about fifteen sage-fowl, a much larger covey than ordinary. They were down in the bottom of the creek, which here exhibited a formation very common on the plains. Although now perfectly dry, every series of heavy rainfalls changed it into a foaming torrent, which flowed down the valley in sharp curves, eating away the land into perpendicular banks on the outside of each curve. Thus a series of small bottoms was formed, each fronted by a semicircular bluff, highest in the middle, and rising perfectly sheer and straight. At the foot of these bluffs, which varied from six to thirty feet in height, was the bed of the stream. In many of these creeks there will be a growth of small trees by the stream bed, where it runs under the bluffs, and perhaps pools of water will be found in such places even in times of drought. But on the creek where we found the sage-fowl, there were neither trees nor water, and the little bottoms were only covered with stunted sage-brush. Dismounting and leaving my horse with the cowboy, I walked down to the edge of the bottom, which was not more than thirty or forty yards across. The covey retreated into the brush,

some of the birds crouching flat down, while the others walked or ran off among the bushes. They were pretty tame, and rose one at a time as I walked on. They had to rise over the low, semi-circular bluff in front of them, and, it being still early in the season, they labored heavily as they left the ground. I fired just as they topped the bluff, and as they were so close and large, and were going so slowly, I was able to knock over eight birds, hardly moving from my place during the entire time. On our way back we ran into another covey, a much smaller one, on the side of another creek; of these I got a couple; and I got another out of still a third covey, which we found out in the open, but of which the birds all rose and made off together. We carried eleven birds back, most of them young and tender, and all of them good eating.

In shooting grouse we sometimes run across rabbits. There are two kinds of these. One is the little cottontail, almost precisely similar in appearance to the common gray rabbit of the Eastern woods. It abounds in all the patches of dense cover along the river bottoms and in the larger creeks, and can be quite easily shot at all times, but especially when there is any snow on the ground. It is eatable, but hardly ever killed except to poison and throw out as bait for the wolves.

The other kind is the great jack-rabbit. This is a characteristic animal of the plains; quite as much so as the antelope or prairie dog. It is not very abundant, but is found everywhere over the open ground, both on the prairie or those river bottoms which are not wooded, and in the more open valleys and along the gentle slopes of the Bad Lands. Sometimes it keeps to the patches of sage-brush, and in such cases will lie close to the ground when approached; but more often it is found in the short grass, where there is no cover at all to speak of, and relies upon its speed for its safety. It is a comical-looking beast, with its huge ears and long legs, and runs very fast, with a curious lop-sided gait, as if it was off its balance. After running a couple of hundred yards it will generally stop and sit up erect on its haunches to look around and see if it is pursued. In winter it turns snow-white, except that the tips of the ears remain black. The flesh is dry, and I have never eaten it unless I could get nothing else.

Jack-rabbits are not plentiful enough nor valuable enough to warrant a man's making a hunting trip solely for their sakes; and the few that I have shot have been killed with the rifle while out after other game. They offer beautiful marks for target practice when they sit upon their haunches. But though hardly worth powder, they afford excellent sport when coursed with greyhounds,

being very fleet, and when closely pressed able to double so quickly that the dogs shoot by them. For reasons already given, however, it is difficult to keep sporting dogs on the plains, though doubtless in the future coursing with greyhounds will become a recognized Western sport.

This finishes the account of the small game of the northern cattle country. The wild turkey is not found with us; but it is an abundant bird farther south, and eagerly followed by the ranchmen in whose neighborhood it exists. And as it is easily the king of all game birds, and as its pursuit is a peculiarly American form of sport, some account of how it is hunted in the southern plains country may be worth reading. The following is an extract from a letter written to me by my brother, in December, 1875, while he was in Texas, containing an account of some of his turkey-hunting experience in that State. The portion relating how the birds are coursed with greyhounds is especially markworthy; it reminds one of the method of killing the great bustard with gazehounds, as described in English sporting books of two centuries back.

"Here, some hundred miles south and west of Fort McKavett, are the largest turkey-roosts in the world. This beautiful fertile valley, through which the deep, silent stream of the Llano flows, is densely wooded with grand old pecan-trees

along its banks; as are those of its minor tributaries which come boiling down from off the immense upland water-shed of the staked plains, cutting the sides of the 'divide' into narrow canyons. The journey to this sportsman's paradise was over the long-rolling plains of Western Texas. Hour after hour through the day's travel we would drop into the trough of some great plains-wave only to toil on up to the crest of the next, and be met by an endless vista of boundless, billowy-looking prairie. We were following the old Fort Terret trail, its ruts cut so deep in the prairie soil by the heavy supply wagons that these ten years have not healed the scars in the earth's face. At last, after journeying for leagues through the stunted live oaks, we saw from the top of one of the larger divides a dark bluish line against the horizon,—the color of distant leafless trees,—and knew that it meant we should soon open out the valley. Another hour brought us over the last divide, and then our hunting-grounds lay before and below us. All along through the unbroken natural fields the blacktail and prong-horn abound, and feast to their heart's content all the winter through on the white, luscious, and nutritious mesquite grass. Through the valley with its flashing silver stream ran the dark line of the famous pecan-tree forests—the nightly resting-place of that king of game birds, the wild turkey. It would

sound like romancing to tell of the endless number and variety of the waterfowl upon the river; while the multitude of game fish inhabiting the waters make the days spent on the river with the rod rival in excitement and good sport the nights passed gun in hand among the trees in the roosts. Of course, as we are purely out on a turkey shoot, during the day no louder sport is permitted than whipping the stream, or taking the greyhounds well back on the plains away from the river to course antelope, jack-rabbit, or maybe even some fine old gobbler himself.

"When, after our journey, we reached the brink of the canyon; to drop down into the valley, pass over the lowlands, and settle ourselves comfortably in camp under the shadow of the old stockade fort by the river, was a matter of but a few hours. There we waited for the afternoon shadows to lengthen and the evening to come, when off we went up the stream for five or six miles to a spot where some mighty forest monarchs with huge, bare, spreading limbs had caught the eye of one of our sporting scouts in the afternoon. Leaving our horses half a mile from the place, we walked silently along the river bank through the jungle to the roosting-trees, where we scattered, and each man secreted himself as best he could in the underbrush, or in a hollow stump, or in the reeds of the river itself. The sun was setting, and over the hills

and from the lowlands came the echoes of the familiar gobble, gobble, gobble, as each strutting, foolishly proud cock headed his admiring family for the roost, after their day's feeding on the uplands. Soon, as I lay close and hushed in my hiding-place, sounds like the clinking of silver, followed by what seemed like a breath of the wind rushing through the trees, struck my ears. I hardly dared breathe, for the sounds were made by the snapping of a gobbler's quills and his rustling feathers; and immediately a magnificent old bird, swelling and clucking, bullying his wives and abusing his weaker children to the last, trod majestically down to the water's edge, and, after taking his evening drink, winged his way to his favorite bough above, where he was joined, one by one, by his family and relations and friends, who came by tens and dozens from the surrounding country. Soon in the rapidly darkening twilight the superb old pecan-trees looked as if they were bending under a heavy crop of the most odd-shaped and lively kind of fruit. The air was filled with the peevish pi-ou! pi-ou! of the sleepy birds. Gradually, the noisy fluttering subsided, and the last faint unsettled peep, even, was hushed. Dead silence reigned, and we waited and watched. The moon climbed up, and in another hour, as we looked through the tree-tops, we could make out against the light background of the sky, almost as

clearly as by day, the sleeping victims of our guns and rifles. A low soft whistle was passed along from man to man; and the signal given, how different the scene became! A deafening report suddenly rang out into the silent night, a flash of light belched from the gun-muzzle, and a heavy thud followed as twenty pounds of turkey struck the ground. In our silent moccasins we flitted about under the roost, and report after report on all sides told how good the sport was and how excellent the chance that the boys at McKavett would have plenty of turkeys at their Christmas dinner. The turkeys were so surprised by the sudden noise, so entirely unprepared for the visit of the sportsman to their secluded retreat, that they did not know what to make of it, often remaining stupidly on their branch after a companion five feet off had been shot down. With the last bird shot or flown away ended our evening's sport. All the dead birds were gathered together and strapped in bunches by our saddles and on the pack-mules. It does not take many pecan- and grass-fed turkeys to make a load, and back we trotted to camp, the steel hoofs striking into the prairie soil with a merry ring of triumph over the night's work. The hour was nearly midnight when we sat down to the delicately browned turkey-steaks in the mess tent, and realized that we had enjoyed the delights of one of the

best sports in Texas—turkey-shooting in the roosts.

"Early in the afternoon following the night's sport we left the fort mounted on fine three-quarter Kentucky thoroughbreds, and, taking the eleven greyhounds, struck off six or eight miles into the plains. Then spreading into line we alternated dogs and horses, and keeping a general direction, beat up the small oak clumps, grass clusters, or mesquite jungles as we went along. Soon, with a loud whirr of wings, three or four turkeys rose out of the grass ahead, started up by one of the greyhounds; the rest of the party closed in from all sides; dogs and men choosing each the bird they marked as theirs. The turkey, after towering a bit, with wings set struck off at a pace like a bullet, and with eyes fixed upwards the hounds coursed after him. It was whip and spur for a mile as hard as horse, man, and hound could make the pace. The turkey at last came down nearer and nearer the ground, its small wings refusing to bear the weight of the heavy body. Finally, down he came and began running; then the hounds closed in on him and forced him up again, as is always the case. The second flight was not a strong one, and soon he was skimming ten or even a less number of feet from the ground. Now came the sport of it all; the hounds were bunched and running like a pack behind him.

Suddenly old 'Grimbeard,' in the heart of the pack, thought it was time for the supreme effort; with a rush he went to the front, and, as a mighty spring carried him up in the air, he snapped his clean, cruel fangs under the brave old gobbler, who by a great effort rose just out of reach. One after another, in the next twenty-five yards, each hound made his trial and failed. At last the old hound again made his rush, sprang up a wonderful height into the air, and cut the bird down as with a knife.

"The first flight of a turkey when being coursed is rarely more than a mile, and the second about half as long. After that, if it gets up at all again, it is for very short flights, so near the ground that it is soon cut down by any hound. The astonishing springs a greyhound who is an old hand at turkey coursing will make, are a constant source of surprise and wonder to those fond of the sport. A turkey, after coming down from his first flight, will really perform the feat which fable attributes to the ostrich: that is, will run its head into a clump of bushes and stand motionless as if, since it cannot see its foes, it were itself equally invisible. During the day turkeys are scattered all over the plains, and it is no unusual thing to get in one afternoon's ride eight or ten of them."

CHAPTER IV

THE DEER OF THE RIVER BOTTOMS

OF all the large game of the United States, the white-tail deer is the best known and the most widely distributed. Taking the Union as a whole, fully ten men will be found who have killed white-tail for one who has killed any other kind of large game. And it is the only ruminant animal which is able to live on in the land even when it has been pretty thickly settled. There is hardly a State wherein it does not still exist, at least in some out-of-the-way corner; and long after the elk and the buffalo have passed away, and when the big-horn and prong-horn have become rare indeed, the white-tail deer will still be common in certain parts of the country.

When, less than five years ago, cattle were first driven on to the northern plains, the white-tail were the least plentiful and the least sought after of all the large game; but they have held their own as none of the others have begun to do, and are already in certain localities more common than any other kind, and indeed in many places are more common than all other kinds put together.

The ranchmen along the Powder River, for instance, now have to content themselves with white-tail venison unless they make long trips back among the hills. The same is rapidly getting to be true of the Little Missouri. This is partly because the skin- and meat-hunters find the chase of this deer to be the most tedious and least remunerative species of hunting, and therefore only turn their attention to it when there is nothing else left to hunt, and partly because the sheep and cattle and the herdsmen who follow them are less likely to trespass on their grounds than on the grounds of other game. The white-tail is the deer of the river bottoms and of the large creeks, whose beds contain plenty of brush and timber running down into them. It prefers the densest cover, in which it lies hid all day, and it is especially fond of wet, swampy places, where a horse runs the risk of being engulfed. Thus it is very rarely jumped by accident, and when the cattle stray into its haunts, which is but seldom, the cowboys are not apt to follow them. Besides, unlike most other game, it has no aversion to the presence of cattle, and in the morning and evening will come out and feed freely among them.

This last habit was the cause of our getting a fine buck a few days before last Christmas. The weather was bitterly cold, the spirit in the thermometer sometimes going down at night to 50°

below zero and never for over a fortnight getting above — 10° (Fahrenheit). Snow covered the ground, to the depth, however, of but a few inches, for in the cattle country the snowfall is always light. When the cold is so great it is far from pleasant to be out-of-doors. Still, a certain amount of riding about among the cattle and ponies had to be done, and almost every day was spent by at least one of us in the saddle. We wore the heaviest kind of all-wool underclothing, with flannels, lined boots, and great fur coats, caps, and gauntlets or mittens, but yet after each ride one or the other of us would be almost sure to come in with a touch of the frost somewhere about him. On one ride I froze my nose and one cheek, and each of the men froze his ears, fingers, or toes at least once during the fortnight. This generally happened while riding over a plain or plateau with a strong wind blowing in our faces. When the wind was on our backs it was not bad fun to gallop along through the white weather, but when we had to face it, it cut through us like a keen knife. The ponies did not seem to mind the cold much, but the cattle were very uncomfortable, standing humped up in the bushes except for an hour or two at mid-day, when they ventured out to feed; some of the young stock, which were wintering on the range for the first time, died from the exposure. A very weak animal we would bring into

the cow-shed and feed with hay; but this was only done in cases of the direst necessity, as such an animal has then to be fed for the rest of the winter, and the quantity of hay is limited. In the Bad Lands proper, cattle do not wander far, the deep ravines affording them a refuge from the bitter icy blasts of the winter gales; but if by any accident caught out on the open prairie in a blizzard, a herd will drift before it for maybe more than a hundred miles, until it finds a shelter capable of holding it. For this reason it is best to keep more or less of a lookout over all the bunches of beasts, riding about among them every few days and turning back any herd that begins to straggle toward the open plains; though in winter, when weak and emaciated, the cattle must be disturbed and driven as little as possible, or the loss among them will be fearful.

One afternoon, while most of us were away from the ranch-house, one of the cowboys, riding in from his day's outing over the range, brought word that he had seen two white-tail deer, a buck and a doe, feeding with some cattle on the side of a hill across the river, and not much more than half a mile from the house. There was about an hour of daylight left, and one of the foremen, a tall, fine-looking fellow named Ferris, the best rider on the ranch, but not an unusually good shot, started out at once after the deer; for in the late fall and

early winter we generally kill a good deal of game, as it then keeps well and serves as a food supply throughout the cold months; after January, we hunt as little as possible. Ferris found the deer easily enough, but they started before he could get a standing shot at them, and when he fired as they ran, he only broke one of the buck's hind legs, just above the ankle. He followed it in the snow for several miles, across the river, and down near the house to the end of the bottom, and then back toward the house. The buck was a cunning old beast, keeping in the densest cover, and often doubling back on its trail and sneaking off to one side as his pursuer passed by. Finally, it grew too dark to see the tracks any longer, and Ferris came home.

Next morning, early, we went out to where he had left the trail, feeling very sure from his description of the place (which was less than a mile from the house) that we would get the buck; for when he had abandoned the pursuit the deer was in a copse of bushes and young trees some hundreds of yards across, and in this it had doubtless spent the night, for it was extremely unlikely that, wounded and tired as it was, it would go any distance after finding that it was no longer pursued.

When we got to the thicket we first made a circuit round it to see if the wounded animal had broken cover, but though there were fresh deer

tracks leading both in and out of it, none of them were made by a cripple; so we knew he was still within. It would seem to be a very easy task to track up and kill a broken-legged buck in light snow; but we had to go very cautiously, for though with only three legs he could still run a good deal faster than either of us on two, and we were anxious not to alarm him and give him a good start. Then there were several well-beaten cattle trails through the thicket, and, in addition to that, one or two other deer had been walking to and fro within it; so that it was hard work to follow the tracks. After working some little time we hit on the right trail, finding where the buck had turned into the thickest growth. While Ferris followed carefully in on the tracks, I stationed myself farther on toward the outside, knowing that the buck would in all likelihood start up wind. In a minute or two Ferris came on the bed where he had passed the night, and which he had evidently just left; a shout informed me that the game was on foot, and immediately afterward the crackling and snapping of the branches were heard as the deer rushed through them. I ran as rapidly and quietly as possible toward the place where the sounds seemed to indicate that he would break cover, stopping under a small tree. A minute afterward he appeared, some thirty yards off on the edge of the thicket, and halted for a second to

look round before going into the open. Only his head and antlers were visible above the bushes which hid from view the rest of his body. He turned his head sharply toward me as I raised the rifle, and the bullet went fairly into his throat, just under the jaw, breaking his neck, and bringing him down in his tracks with hardly a kick. He was a fine buck of eight points, unusually fat, considering that the rutting season was just over. We dressed it at once, and, as the house was so near, determined we would drag it there over the snow ourselves, without going back for a horse. Each took an antler, and the body slipped along very easily; but so intense was the cold that we had to keep shifting sides all the time, the hand which grasped the horn becoming numb almost immediately.

White-tail are very canny, and know perfectly well what threatens danger and what does not. Their larger, and to my mind nobler, relation, the black-tail, is, if anything, easier to approach and kill, and yet is by no means so apt to stay in the immediate neighborhood of a ranch, where there is always more or less noise and confusion. The bottom on which my ranch-house stands is a couple of miles in length, and well wooded; all through last summer it was the home of a number of white-tails, and most of them are on it to this moment. Two fawns in especial were really

amusingly tame, at one time spending their days hid in an almost impenetrable tangle of bullberry bushes, whose hither edge was barely a hundred yards from the ranch-house; and in the evening they could frequently be seen from the door as they came out to feed. In walking out after sunset, or in riding home when night had fallen, we would often run across them when it was too dark to make out anything but their flaunting white tails as they cantered out of the way. Yet for all their seeming familiarity they took good care not to expose themselves to danger. We were reluctant to molest them, but one day, having performed our usual weekly or fortnightly feat of eating up about everything there was in the house, it was determined that the two deer (for it was late in autumn and they were then well grown) should be sacrificed. Accordingly one of us sallied out, but found that the sacrifice was not to be consummated so easily, for the should-be victims appeared to distinguish perfectly well between a mere passer-by, whom they regarded with absolute indifference, and any one who harbored sinister designs. They kept such a sharp look-out, and made off so rapidly if any one tried to approach them, that on two evenings the appointed hunter returned empty-handed, and by the third someone else had brought in a couple of black-tail. After that, no necessity arose for molesting the

two "tame deer," for whose sound common-sense we had all acquired a greatly increased respect.

When not much molested white-tail feed in the evening or late afternoon; but if often shot at and chased they only come out at night. They are very partial to the water, and in the warm summer nights will come down into the prairie ponds and stand knee-deep in them, eating the succulent marsh plants. Most of the plains rivers flow through sandy or muddy beds with no vegetable growth, and to these, of course, the deer merely come down to drink or refresh themselves by bathing, as they contain nothing to eat.

Throughout the day the white-tails keep in the densest thickets, choosing if possible those of considerable extent. For this reason they are confined to the bottoms of the rivers and the mouths of the largest creeks, the cover elsewhere being too scanty to suit them. It is very difficult to make them leave one of their haunts during the daytime. They lie very close, permitting a man to pass right by them; and the twigs and branches surrounding them are so thick and interlaced that they can hear the approach of any one from a long distance off, and hence are rarely surprised. If they think there is danger that the intruder will discover them, they arise and skulk silently off through the thickest part of the brush. If followed, they keep well ahead, moving perfectly

noiselessly through the thicket, often going round in a circle and not breaking cover until hard pressed; yet all the time stepping with such sharp-eyed caution that the pursuing hunter will never get a glimpse of the quarry, though the patch of brush may not be fifty rods across.

At times the white-tail will lie so close that it may almost be trodden on. One June morning I was riding down along the river, and came to a long bottom, crowded with rose-bushes, all in bloom. It was crossed in every direction by cattle paths, and a drove of long-horned Texans were scattered over it. A cow-pony gets accustomed to travelling at speed along the cattle trails, and the one I bestrode threaded its way among the twisted narrow paths with perfect ease, loping rapidly onward through a sea of low rose-bushes, covered with the sweet, pink flowers. They gave a bright color to the whole plain, while the air was filled with the rich, full songs of the yellow-breasted meadow larks, as they perched on the topmost sprays of the little trees. Suddenly, a white-tail doe sprang up almost from under the horse's feet, and scudded off with her white flag flaunting. There was no reason for harming her and she made a pretty picture as she bounded lightly off among the rose-red flowers, passing without heed through the ranks of the long-horned and savage-looking steers.

Doubtless she had a little spotted fawn not far away. These wee fellows soon after birth grow very cunning and able to take care of themselves, keeping in the densest part of the brush, through which they run and dodge like a rabbit. If taken young, they grow very tame and are most dainty pets. One which we had round the house answered well to its name. It was at first fed with milk, which it lapped eagerly from a saucer, sharing the meal with the two cats, who rather resented its presence and cuffed it heartily when they thought it was greedy and was taking more than its share. As it grew older it would eat bread or potatoes from our hands, and was perfectly fearless. At night it was let go or put in the cow-shed, whichever was handiest, but it was generally round in time for breakfast next morning. A blue ribbon with a bell attached was hung round its neck, so as to prevent its being shot; but in the end it shared the fate of all pets, for one night it went off and never came back again. Perhaps it strayed away of its own accord, but more probably some raw hand at hunting saw it, and slaughtered it without noticing the bell hanging from its neck.

The best way to kill white-tail is to still-hunt carefully through their haunts at dusk, when the deer leave the deep recesses in which their day-beds lie, and come out to feed in the more open

parts. For this kind of hunting, no dress is so good as a buckskin suit and moccasins. The moccasins enable one to tread softly and noiselessly, while the buckskin suit is of a most inconspicuous color, and makes less rustling than any other material when passing among projecting twigs. Care must be taken to always hunt up wind, and to advance without any sudden motions, walking close in to the edge of the thickets, and keeping a sharp lookout, as it is of the first importance to see the game before the game sees you. The feeding-grounds of the deer may vary. If they are on a bottom studded with dense copses, they move out on the open between them; if they are in a dense wood, they feed along its edges; but, by preference, they keep in the little glades and among the bushes underneath the trees. Wherever they may be found, they are rarely far from thick cover, and are always on the alert, lifting up their heads every few bites they take to see if any danger threatens them. But, unlike the antelope, they seem to rely for safety even more upon escaping observation than upon discovering danger while it is still far off, and so are usually in sheltered places where they cannot be seen at any distance. Hence, shots at them are generally obtained, if obtained at all, at very much closer range than at any other kind of game; the average distance would be nearer fifty than a hundred yards. On the

other hand, more of the shots obtained are running ones than is the case with the same number taken at antelope or black-tail.

If the deer is standing just out of a fair-sized wood, it can often be obtained by creeping up along the edge; if seen among the large trees, it is even more easily still-hunted, as a tree-trunk can be readily kept in line with the quarry, and thus prevent its suspecting any approach. But only a few white-tail are killed by regular and careful stalking; in much the greater number of instances the hunter simply beats, patiently and noiselessly from leeward, carefully through the clumps of trees and bushes, always prepared to see his game, and with his rifle at the ready. Sooner or later, as he steals round a corner, he either sees the motionless form of a deer, not a great distance off, regarding him intently for a moment before taking flight; or else he hears a sudden crash, and catches a glimpse of the animal as it lopes into the bushes. In either case, he must shoot quick; but the shot is a close one.

If he is heard or seen a long way off, the deer is very apt, instead of running away at full speed, to skulk off quietly through the bushes. But when suddenly startled, the white-tail makes off at a great rate, at a rolling gallop, the long, broad tail, pure white, held up in the air. In the dark or in thick woods, often all that can be seen is the flash

of white from the tail. The head is carried low and well forward in running; a buck, when passing swiftly through thick underbrush, usually throws his horns back almost on his shoulders, with his nose held straight in front. White-tail venison is, in season, most delicious eating, only inferior to the mutton of the mountain sheep.

Among the places which are most certain to contain white-tails may be mentioned the tracts of swampy ground covered with willows and the like, which are to be found in a few (and but a few) localities through the plains country; there are, for example, several such along the Powder River, just below where the Little Powder empties into it. Here there is a dense growth of slim-stemmed young trees, sometimes almost impenetrable, and in other places opening out into what seem like arched passage-ways, through which a man must at times go almost on all fours. The ground may be covered with rank shrubbery, or it may be bare mud with patches of tall reeds. Here and there, scattered through these swamps, are pools of water, and sluggish ditches occasionally cut their way deep below the surface of the muddy soil. Game trails are abundant all through them, and now and then there is a large path beaten out by the cattle; while at intervals there are glades and openings. A horse must be very careful in going through such a swamp or he will certainly get

mired, and even a man must be cautious about his footing. In the morning or late afternoon a man stands a good chance of killing deer in such a place, if he hunts carefully through it. It is comparatively easy to make but little noise in the mud and among the wet, yielding swamp plants; and by moving cautiously along the trails and through the openings, one can see some little distance ahead; and toward evening the pools should be visited, and the borders as far back as possible carefully examined for any deer that come to drink, and the glades should be searched through for any that may be feeding. In the soft mud, too, a fresh track can be followed as readily as if in snow, and without exposing the hunter to such probability of detection. If a shot is obtained at all, it is at such close quarters as to more than counterbalance the dimness of the light, and to render the chance of a miss very unlikely. Such hunting is, for a change, very pleasant, the perfect stillness of the place, the quiet with which one has to move, and the constant expectation of seeing game keeping one's nerves always on the stretch; but after a while it grows tedious, and it makes a man feel cramped to be always ducking and crawling through such places. It is not to be compared, in cool weather, with still-hunting on the open hills; nevertheless, in the furious heat of the summer sun it has its advantages, for it is

not often so oppressingly hot in the swamp as it is on the open prairie in the dry thickets.

The white-tail is the only kind of large game for which the shot-gun can occasionally be used. At times, in the dense brush it is seen, if seen at all, at such short distances, and the shots have to be taken so hurriedly, that the shot-gun is really the best weapon wherewith to attempt its death. One method of taking it is to have trained dogs hunt through a valley and drive the deer to guns stationed at the opposite end. With a single slow hound, given to baying, a hunter can often follow the deer on foot in the method adapted in most of the Eastern States for the capture of both the gray and the red fox. If the dog is slow and noisy, the deer will play round in circles and can be cut off and shot from a stand.

Any dog will soon put a deer out of a thicket, or drive it down a valley; but without a dog it is often difficult to drive deer toward the runaway or place at which the guns are stationed, for the white-tail will often skulk round and round a thicket instead of putting out of it when a man enters; and even when started it may break back past the driver instead of going toward the guns.

In all these habits white-tail are the very reverse of such game as antelope. Antelope care nothing at all about being seen, and indeed rather court observation, while the chief anxiety

of a white-tail is to go unobserved. In passing through a country where there are antelope, it is almost impossible not to see them; while, where there are an equal number of white-tail, the odds are manifold against travellers catching a glimpse of a single individual. The prong-horn is perfectly indifferent as to whether the pursuer sees him, so long as in his turn he is able to see the pursuer; and he relies entirely upon his speed and wariness for his safety; he never trusts for a moment to eluding observation. White-tail, on the contrary, rely almost exclusively either upon lying perfectly still and letting the danger pass by, or else, upon skulking off so slyly as to be unobserved; it is only when hard pressed or suddenly startled that they bound boldly and freely away.

In many of the dense jungles without any opening the brush is higher than a man's head, and one has then practically no chance at all of getting a shot on foot when crossing through such places. But I have known instances where a man had himself driven in a tall light wagon through a place like this, and got several snap-shots at the deer, as he caught momentary glimpses of them stealing off through the underbrush; and another method of pursuit in these jungles is occasionally followed by one of my foremen, who, mounted on a quiet horse, which will stand fire, pushes

through the bushes and now and then gets a quick shot at a deer from horseback. I have tried this method myself, but without success, for, though my hunting-horse, old Manitou, stands as steady as a rock, yet I find it impossible to shoot the rifle with any degree of accuracy from the saddle.

Except on such occasions as those just mentioned, the white-tail is rarely killed while hunting on horseback. This last term, by-the-way, must not be understood in the sense in which it would be taken by the fox-hunter of the South, or by the Californian and Texan horsemen who course hare, antelope, and wild turkey with their fleet greyhounds. With us, hunting on horseback simply means that the horse is ridden not only to the hunting-grounds, but also through them, until the game is discovered; then the hunter immediately dismounts, shooting at once if the animal is near enough and has seen him, or stalking up to it on foot if it is a good distance off and he is still unobserved. Where great stretches of country have to be covered, as in antelope shooting, hunting on horseback is almost the only way followed; but the haunts and habits of the white-tail deer render it nearly useless to try to kill them in this way, as the horse would be sure to alarm them by making a noise, and even if he did not there would hardly be time to dismount and take

a snap-shot. Only once have I ever killed a white-tail buck while hunting on horseback; and at that time I had been expecting to fall in with black-tail.

This was while we had been making a wagon trip to the westward, following the old Keogh trail, which was made by the heavy army wagons that journeyed to Fort Keogh in the old days when the soldiers were, except a few daring trappers, the only white men to be seen on the last great hunting-ground of the Indians. It was abandoned as a military route several years ago, and is now only rarely travelled over, either by the canvas-topped ranch-wagon of some wandering cattlemen, — like ourselves, — or else by a small party of emigrants, in two or three prairie schooners, which contain all their household goods. Nevertheless, it is still as plain and distinct as ever. The two deep parallel ruts, cut into the sod by the wheels of the heavy wagon, stretch for scores of miles in a straight line across the level prairie, and take great turns and doublings to avoid the impassable portions of the Bad Lands. The track is always perfectly plain, for in the dry climate of the Western plains, the action of the weather tends to preserve rather than to obliterate it; where it leads down-hill, the snow water has cut and widened the ruts into deep gullies, so that a wagon has at those places to

travel alongside the road. From any little rising in the prairie the road can be seen, a long way off, as a dark line, which, when near, resolves itself into two sharply defined parallel cuts. Such a road is a great convenience as a landmark. When travelling along it, or one like it, the hunters can separate in all directions, and no matter how long or how far they hunt, there is never the least difficulty about finding camp. For the general direction in which the road lies, is, of course, kept in mind, and it can be reached whether the sun is down or not; then a glance tells if the wagon has passed, and all that remains to be done is to gallop along the trail until camp is found.

On the trip in question we had at first very bad weather. Leaving the ranch in the morning, two of us, who were mounted, pushed on ahead to hunt, the wagon following slowly, with a couple of spare saddle-ponies leading behind it. Early in the afternoon, while riding over the crest of a great divide, which separates the drainage basins of two important creeks, we saw that a tremendous storm was brewing with that marvellous rapidity which is so marked a characteristic of weather changes on the plains. A towering mass of clouds gathered in the northwest, turning that whole quarter of the sky to an inky blackness. From there the storm rolled down toward us at a furious speed, obscuring by degrees the light of

the sun, and extending its wings toward each side, as if to overlap any that tried to avoid its path. Against the dark background of the mass could be seen pillars and clouds of gray mist, whirled hither and thither by the wind, and sheets of level rain driven before it. The edges of the wings tossed to and fro, and the wind shrieked and moaned as it swept over the prairie. It was a storm of unusual intensity; the prairie-fowl rose in flocks before it, scudding with spread wings toward the thickest cover, and the herds of antelope ran across the plain like race-horses to gather in the hollows and behind the low ridges.

We spurred hard to get out of the open, riding with loose reins for the creek. The centre of the storm swept by behind us, fairly across our track, and we only got a wipe from the tail of it. Yet this itself we could not have faced in the open. The first gust caught us a few hundred yards from the creek, almost taking us from the saddle, and driving the rain and hail in stinging level sheets against us. We galloped to the edge of a deep wash-out, scrambled into it at the risk of our necks, and huddled up with our horses underneath the windward bank. Here we remained pretty well sheltered until the storm was over. Although it was August, the air became very cold. The wagon was fairly caught, and would have been blown over if the top had been on; the

driver and horses escaped without injury, pressing under the leeward side, the storm coming so level that they did not need a roof to protect them from the hail. Where the centre of the whirlwind struck, it did great damage, sheets of hailstones as large as pigeons' eggs striking the earth with the velocity of bullets; next day the hailstones could have been gathered up by the bushel from the heaps that lay in the bottom of the gullies and ravines. One of my cowboys was out in the storm, during whose continuance he crouched under his horse's belly; coming home he came across some antelope so numb and stiffened that they could barely limp out of the way.

Near my ranch the hail killed quite a number of lambs. These were the miserable remnants of a flock of twelve thousand sheep driven into the Bad Lands a year before, four fifths of whom had died during the first winter, to the delight of all the neighboring cattlemen. Cattlemen hate sheep because they eat the grass so close that cattle cannot live on the same ground. The sheep-herders are a morose, melancholy set of men, generally afoot, and with no companionship except that of the bleating idiots they are hired to guard. No man can associate with sheep and retain his self-respect. Intellectually, a sheep is about on the lowest level of the brute creation; why the early Christians admired it, whether

young or old, is to a good cattleman always a profound mystery.

The wagon came on to the creek, along whose banks we had taken shelter, and we then went into camp. It rained all night, and there was a thick mist, with continual sharp showers, all the next day and night. The wheeling was, in consequence, very heavy, and, after striking the Keogh trail, we were able to go along it but a few miles, before the fagged-out look of the team and the approach of evening warned us that we should have to go into camp while still a dozen miles from any pool or spring. Accordingly, we made what would have been a dry camp had it not been for the incessant down-pour of rain, which we gathered in the canvas wagon-sheet and in our oilskin overcoats in sufficient quantity to make coffee, having with infinite difficulty started a smouldering fire just to leeward of the wagon. The horses, feeding on the soaked grass, did not need water. An antelope, with the bold and heedless curiosity sometimes shown by its tribe, came up within two hundred yards of us as we were building the fire; but though one of us took a shot at him, it missed. Our shaps and oilskins had kept us perfectly dry, and as soon as our frugal supper was over, we coiled up among the bundles and boxes inside the wagon and slept soundly until daybreak.

When the sun rose next day, the third we were out, the sky was clear, and we two horsemen at once prepared to make a hunt. Some three miles off to the south of where we were camped, the plateau on which we were sloped off into a great expanse of broken ground, with chains upon chains of steep hills, separated by deep valleys, winding and branching in every direction, their bottoms filled with trees and brushwood. Toward this place we rode, intending to go into it some little distance, and then to hunt along through it near the edge. As soon as we got down near the brushy ravine we rode along without talking, guiding the horses as far as possible on earthy places, where they would neither stumble nor strike their feet against stones, and not letting our rifle-barrels or spurs clink against anything. Keeping outside of the brush, a little up the side of the hill, one of us would ride along each side of the ravine, examining intently with our eyes every clump of trees or brushwood. For some time we saw nothing, but, finally, as we were riding both together round the jutting spur of a steep hill, my companion suddenly brought his horse to a halt, and, pointing across the shelving bend to a patch of trees well up on the opposite side of a broad ravine, asked me if I did not see a deer in it. I was off the horse in a second, throwing the reins over his head. We were in

the shadow of the cliff-shoulder, and with the wind in our favor; so we were unlikely to be observed by the game. I looked long and eagerly toward the spot indicated, which was about a hundred and twenty-five yards from us, but at first could see nothing. By this time, however, the experienced plainsman who was with me was satisfied that he was right in his supposition, and he told me to try again and look for a patch of red. I saw the patch at once, just glimmering through the bushes, but should certainly never have dreamed it was a deer if left to myself. Watching it attentively I soon saw it move enough to satisfy me where the head lay; kneeling on one knee and (as it was a little beyond point-blank range) holding at the top of the portion visible, I pulled trigger, and the bright-colored patch disappeared from among the bushes. The aim was a good one, for, on riding up to the brink of the ravine, we saw a fine white-tailed buck lying below us, shot through just behind the shoulder; he was still in the red coat, with his antlers in the velvet.

A deer is far from being such an easy animal to see as the novice is apt to suppose. Until the middle of September he is in the red coat; after that time he is in the gray; but it is curious how each one harmonizes in tint with certain of the surroundings. A red doe lying down is, at a little

distance, undistinguishable from the soil on which she is; while a buck in the gray can hardly be made out in dead timber. While feeding quietly or standing still, they rarely show the proud, free port we are accustomed to associate with the idea of a buck, and look rather ordinary, humble-seeming animals, not at all conspicuous or likely to attract the hunter's attention; but once let them be frightened, and as they stand facing the danger, or bound away from it, their graceful movements and lordly bearing leave nothing to be desired. The black-tail is a still nobler-looking animal; while an antelope, on the contrary, though as light and quick on its feet as is possible for any animal not possessing wings to be, yet has an angular, goat-like look, and by no means conveys to the beholder the same idea of grace that a deer does.

In coming home, on this wagon trip, we made a long moonlight ride, passing over between sunset and sunrise what had taken us three days' journey on the outward march. Of our riding horses, two were still in good condition and able to stand a twenty-four hours' jaunt, in spite of hard work and rough usage; the spare ones, as well as the team, were pretty well done up and could get along but slowly. All day long we had been riding beside the wagon over barren sage-brush plains, following the dusty trails made by the beef-herds

that had been driven towards one of the Montana shipping towns.

When we halted for the evening meal we came near learning by practical experience how easy it is to start a prairie fire. We were camped by a dry creek on a broad bottom covered with thick short grass, as dry as so much tinder. We wished to burn a good circle clear for the camp fire; lighting it, we stood round with branches to keep it under. While thus standing a puff of wind struck us; the fire roared like a wild beast as it darted up; and our hair and eyelashes were well singed before we had beaten it out. At one time it seemed as if, though but a very few feet in extent, it would actually get away from us; in which case the whole bottom would have been a blazing furnace within five minutes.

After supper, looking at the worn-out condition of the team, we realized that it would take three more days travelling at the rate we had been going to bring us in, and as the country was monotonous, without much game, we concluded we would leave the wagon with the driver, and taking advantage of the full moon, push through the whole distance before breakfast next morning. Accordingly, we at nine o'clock again saddled the tough little ponies we had ridden all day and loped off out of the circle of firelight. For nine hours we rode steadily, generally at a

quick lope, across the moon-lit prairie. The hoof-beats of our horses rang out in steady rhythm through the silence of the night, otherwise unbroken save now and then by the wailing cry of a coyote. The rolling plains stretched out on all sides of us, shimmering in the clear moonlight; and occasionally a band of spectral-looking antelope swept silently away from before our path. Once we went by a drove of Texan cattle, who stared wildly at the intruders; as we passed they charged down by us, the ground rumbling beneath their tread, while their long horns knocked against each other with a sound like the clattering of a multitude of castanets. We could see clearly enough to keep our general course over the trackless plain, steering by the stars where the prairie was perfectly level and without landmarks; and our ride was timed well, for as we galloped down into the Valley of the Little Missouri the sky above the line of the level bluffs in our front was crimson with the glow of the unrisen sun.

CHAPTER V

THE BLACK-TAIL DEER

FAR different from the low-scudding, brush-loving white-tail, is the black-tail deer, the deer of the ravines and the rocky uplands. In general shape and form, both are much alike; but the black-tail is the larger of the two, with heavier antlers, of which the prongs start from one another, as if each of the tines of a two-pronged pitchfork had bifurcated; and in some cases it looks as if the process had been again repeated. The tail—instead of being broad and bushy as a squirrel's, spreading from the base, and pure white to the tip—is round and close-haired, with the end black, though the rest is white. If an ordinary deer is running, its flaunting flag is almost its most conspicuous part; but no one would notice the tail of a black-tail deer.

All deer vary greatly in size; and a small black-tail buck will be surpassed in bulk by many white-tails; but the latter never reaches the weight and height sometimes attained by the former. The same holds true of the antlers borne by the two animals; on the average, those of the black-tail are the heavier, and exceptionally large antlers of

this species are larger than any of the white-tail. Bucks of both kinds very often have, when full-grown, more than the normal number of ten points; sometimes these many-pronged antlers will be merely deformities, while in other instances the points are more symmetrical, and add greatly to the beauty and grandeur of the head. The venison of the black-tail is said to be inferior in quality to that of the white-tail; but I have never been able to detect much difference, though, perhaps, on the whole, the latter is slightly better.

The gaits of the two animals are widely different. The white-tail runs at a rolling gallop, striking the ground with the forward feet first, the head held forward. The black-tail, on the contrary, holds its head higher up, and progresses by a series of prodigious bounds, striking the earth with all four feet at once, the legs held nearly stiff. It seems like an extraordinary method of running; and the violent exertion tires the deer sooner than does the more easy and natural gait of the white-tail; but for a mile or so these rapidly succeeding bounds enable the black-tail to get over the ground at remarkable speed. Over rough ground, along precipitous slopes, and among the boulders of rocky cliffs, it will go with surprising rapidity and surefootedness, only surpassed by the feats of the big-horn in similar localities, and not equalled by those of any other plains game.

One of the noticeable things in Western plains hunting is the different zones or bands of territory inhabited by different kinds of game. Along the alluvial land of the rivers and large creeks is found the white-tail. Back of those alluvial lands generally comes a broad tract of broken, hilly country, scantily clad with brush in some places; this is the abode of the black-tail deer. And where these hills rise highest, and where the ground is most rugged and barren, there the big-horn is found. After this hilly country is passed, in travelling away from the river, we come to the broad, level plains, the domain of the antelope. Of course, the habitats of the different species overlap at the edges; and this overlapping is most extended in the cases of the big-horn and the black-tail.

The Bad Lands are the favorite haunts of the black-tail. Here the hills are steep and rugged, cut up and crossed in every direction by canyon-like ravines and valleys, which branch out and subdivide in the most intricate and perplexing manner. Here and there are small springs, or pools, marked by the greener vegetation growing round them. Along the bottoms and sides of the ravines there are patches of scrubby undergrowth, and in many of the pockets or glens in the sides of the hills the trees grow to some little height. High buttes rise here and there, naked to the top,

or else covered with stunted pines and cedars, which also grow in the deep ravines and on the edges of the sheer canyons. Such lands, where the ground is roughest, and where there is some cover, even though scattered and scanty, are the best places to find the black-tail. Naturally their pursuit needs very different qualities in the hunter from those required in the chase of the white-tail. In the latter case stealth and caution are the prime requisites; while the man who would hunt and kill the deer of the uplands has more especial need of energy, activity, and endurance, of good judgment and of skill with the rifle. Hunting the black-tail is beyond all comparison the nobler sport. Indeed, there is no kind of plains hunting, except only the chase of the big-horn, more fitted to bring out the best and hardiest of the many qualities which go to make up a good hunter.

It is still a moot question whether it is better to hunt on horseback or on foot; but the course of events is rapidly deciding it in favor of the latter method. Undoubtedly, it is easier and pleasanter to hunt on horseback; and it has the advantage of covering a great deal of ground. But it is impossible to advance with such caution, and it is difficult to shoot as quickly, as when on foot; and where the deer are shy and not very plenty, the most enthusiastic must, slowly and reluctantly but surely, come to the conclusion

that a large bag can only be made by the still-hunter who goes on foot. Of course, in the plains country it is not as in mountainous or thickly wooded regions, and the horse should almost always be taken as a means of conveyance to the hunting-grounds and from one point to another; but the places where game is expected should, as a rule, be hunted over on foot. This rule is by no means a general one, however. There are still many localities where the advantage of covering a great deal of ground more than counterbalances the disadvantage of being on horseback. About one third of my hunts are still made on horseback; and in almost all the others I take old Manitou to carry me to and from the grounds and to pack out any game that may be killed. A hunting-horse is of no use whatever unless he will permit a man to jump from his back and fire with the greatest rapidity; and nowhere does practice have more to do with success than in the case of jumping off a horse to shoot at game which has just been seen. The various movements take a novice a good deal of time; while an old hand will be off and firing with the most instantaneous quickness. Manitou can be left anywhere at a moment's warning, while his rider leaps off, shoots at a deer from almost under his head, and perhaps chases the wounded animal a mile or over; and on his return the good old fellow will be grazing

away, perfectly happy and contented, and not making a movement to run off or evade being caught.

One method of killing deer on horseback is very exciting. Many of the valleys or ravines extend with continual abrupt turns and windings for several miles, the brush and young trees stretching with constant breaks down the middle of the bottom, and leaving a space on each side along which a surefooted horse can gallop at speed. Two men, on swift, hardy horses, can hunt down such a ravine very successfully at evening, by each taking a side and galloping at a good speed the whole length against the wind. The patter of the unshod hoofs over the turf makes but little noise; and the turns are so numerous and abrupt, and the horses go so swiftly, that the hunters come on the deer almost before the latter are aware of their presence. If it is so late in the day that the deer have begun to move they will find the horses close up before they have a suspicion of danger, while if they are still lying in the cover the suddenness of the appearance of their foe is apt to so startle them as to make them break out and show themselves instead of keeping hid, as they would probably do if they perceived the approach from afar. One thus gets a close running shot or if he waits a minute he will generally get a standing shot at some little distance, owing

to a very characteristic habit of the black-tail. This is its custom of turning round, apparently actuated simply by curiosity, to look at the object which startled it, after it has run off a hundred and fifty yards or so. It then stands motionless for a few seconds, and offers a chance for a steady shot. If the chance is not improved, no other will offer, for as soon as the deer has ended its scrutiny it is off again, and this time will not halt till well out of danger. Owing to its singular gait, a succession of buck jumps, the black-tail is a peculiarly difficult animal to hit while on the run; and it is best to wait until it stops and turns before taking the shot, as, if fired at, the report will generally so alarm it as to make it continue its course without halting to look back. Some of the finest antlers in my possession come from bucks killed by this method of hunting; and it is a most exhilarating form of sport, the horse galloping rapidly over what is often very broken ground, and the senses being continually on the alert for any sign of game. The rush and motion of the horse, and the care necessary to guide it and at the same time be in constant readiness for a shot, prevent the chase having any of the monotony that is at times inseparable from still-hunting proper.

Nevertheless, it is by still-hunting that most deer are killed, and the highest form of hunting craft is shown in the science of the skilful still-

hunter. With sufficient practice, any man who possesses common-sense, and is both hardy and persevering, can become, to a certain extent, a still-hunter. But the really *good* still-hunter is born rather than made; though, of course, in addition to possessing the gifts naturally, he must also have developed them, by constant practice, to the highest point possible. One of the foremen on my ranch is a really remarkably good hunter and game shot, and another does almost as well; but the rest of us are not, and never will be, anything very much out of the common. By dint of practice, we have learned to shoot as well at game as at a target; and those of us who are fond of the sport, hunt continually, and so get a good deal of game at one time or another. Hunting through good localities, up wind, quietly and perseveringly, we come upon quite a number of animals; and we can kill a standing shot at a fair distance and a running shot close up, and by good luck every now and then kill far off; but to much more than is implied in the description of such modest feats we cannot pretend.

After the disappearance of the buffalo and the thinning out of the elk, the black-tail was, and in most places it still is, the game most sought after by the hunters; I have myself shot as many of them as of all other kinds of plains game put together. But for this very reason it is fast disap-

pearing; and bids fair to be the next animal, after the buffalo and elk, to vanish from the places that formerly knew it. The big-horn and the prong-horn are more difficult to stalk and kill, partly from their greater natural wariness, and partly from the kind of ground on which they are found. But it seems at first sight strange that the black-tail should be exterminated or driven away so much more quickly than the white-tail, when it has sharper ears and nose, is more tenacious of life, and is more wary. The main reason is to be found in the difference in the character of the haunts of the two creatures. The black-tail is found on much more open ground, where the animals can be seen farther off, where it is much easier to take advantage of the direction of the wind and to get along without noise, and where far more country can be traversed in a given time; and though the average length of the shots taken is in one case two or three times as great as in the other, yet this is more than counterbalanced by the fact that they are more often standing ones, and that there is usually much more time for aiming. Moreover, one kind of sport can be followed on horseback, while the other must be followed on foot; and then the chase of the white-tail, in addition, is by far the more tedious and patience-trying. And the black-tail are much the more easily scared or driven out of a locality by

persecution or by the encroaching settlements. All these qualities combine to make it less able to hold its own against mankind than its smaller rival. It is the favorite game of the skin hunters and meat hunters, and has, in consequence, already disappeared from many places, while in others its extermination is going on at a frightfully rapid rate, owing to its being followed in season and out of season without mercy. Besides, the cattle are very fond of just the places to which it most often resorts; and wherever cattle go the cowboys ride about after them, with their ready six-shooters at their hips. They blaze away at any deer they see, of course, and in addition to now and then killing or wounding one, continually harry and disturb the poor animals. In the more remote and inaccessible districts the black-tail will long hold its own, to be one of the animals whose successful pursuit will redound most to the glory of the still-hunter; but in a very few years it will have ceased entirely to be one of the common game animals of the plains.

Its great curiosity is one of the disadvantages under which it labors in the fierce struggle for existence, compared to the white-tail. The latter, when startled, does not often stop to look round; but, as already said, the former will generally do so after having gone a few hundred feet. The first black-tail I ever killed—unfortunately killed,

for the body was not found until spoiled—was obtained owing solely to this peculiarity. I had been riding up along the side of a brushy coulie, when a fine buck started out some thirty yards ahead. Although so close, my first shot, a running one, was a miss; when a couple of hundred yards off, on the very crest of the spur up which he had run, he stopped and turned partially round. Firing again from a rest, the bullet broke his hind leg far up and went into his body. Off he went on three legs, and I after him as fast as the horse could gallop. He went over the spur and down into the valley of the creek from which the coulie branched up, in very bad ground. My pony was neither fast nor surefooted, but of course in half a mile overhauled the three-legged deer, which turned short off and over the side of the hill flanking the valley. Instead of running right up on it I foolishly dismounted and began firing; after the first shot—a miss—it got behind a boulder hitherto unseen, and thence over the crest. The pony meanwhile had slipped its hind leg into the rein; when, after some time, I got it out and galloped up to the ridge, the most careful scrutiny of which my unpractised eyes were capable failed to discover a track on the dry ground, hard as granite. A day or two afterwards the place where the carcass lay was made known by the vultures, gathered together from all parts to feed upon it.

When fired at from a place of hiding, deer which have not been accustomed to the report of a gun will often appear confused and uncertain what to do. On one occasion, while hunting in the mountains, I saw an old buck with remarkably large horns, of curious and beautiful shape, more symmetrical than in most instances where the normal form is departed from. The deer was feeding in a wide, gently sloping valley, containing no cover from behind which to approach him. We were in no need of meat, but the antlers were so fine that I felt they justified the death of their bearer. After a little patient waiting, the buck walked out of the valley, and over the ridge on the other side, moving up wind; I raced after him, and crept up behind a thick growth of stunted cedars, which had started up from among some boulders. The deer was about a hundred yards off, down in the valley. Out of breath, and over-confident, I fired hastily, overshooting him. The wind blew the smoke back away from the ridge, so that he saw nothing, while the echo prevented his placing the sound. He took a couple of jumps nearer, when he stood still and was again overshot. Again he took a few jumps, and the third shot went below him; and the fourth just behind him. This was too much, and away he went. In despair, I knelt down (I had been firing off-hand), took a steady aim well forward on

Hunting the Black-Tail Deer.

his body, and fired, bringing him down, but with small credit to the shot, for the bullet had gone into his hip, paralyzing his hind-quarters. The antlers are the finest pair I ever got, and form a magnificent ornament for the hall; but the shooting is hardly to be recalled with pleasure. Still, though certainly very bad, it was not quite as discreditable as the mere target shot would think. I have seen many a crack marksman at the target do quite as bad missing when out in the field, and that not once, but again and again.

Of course, in those parts of the wilderness where the black-tail are entirely unused to man, they are as easy to approach (from the leeward side) as is any and every other kind of game under like conditions. In lonely spots, to which hunters rarely or never penetrate, deer of this species will stand and look at a hunter without offering to run away till he is within fifty yards of them, if he will advance quietly. In a far-off mountain forest I have more than once shot a young buck at less than that distance as he stood motionless, gazing at me, although but little caution had been used in approaching him.

But a short experience of danger on the part of the black-tail changes all this; and where hunters are often afoot, he becomes as wild and wary as may be. Then the successful still-hunter shows that he is indeed well up in the higher

forms of hunting craft. For the man who can, not once by accident, but again and again, as a regular thing, single handed, find and kill his black-tail, has shown that he is no mere novice in his art; still-hunting the black-tail is a sport that only the skilful can follow with good results, and one which implies in the successful sportsman the presence of most of the still-hunter's rarest attributes. All of the qualities which a still-hunter should possess are of service in the pursuit of any kind of game; but different ones will be called into especial play in hunting different kinds of animals. Thus, to be a successful hunter after anything, a man should be patient, resolute, hardy, and with good judgment; he should have good lungs and stout muscles; he should be able to move with noiseless stealth; and he should be keen-eyed, and a first-rate marksman with the rifle. But in different kinds of shooting, the relative importance of these qualities varies greatly. In hunting white-tail deer, the two prime requisites are stealth and patience. If the quarry is a big-horn, a man needs especially to be sound in wind and limbs, and to be both hardy and resolute. Skill in the use of the long-range rifle counts for more in antelope hunting than in any other form of sport; and it is in this kind of hunting alone that good marksmanship is more important than anything else. With dangerous

game, cool and steady nerves are of the first consequence; all else comes after. Then, again, in the use of the rifle, the *kind* of skill—not merely the *degree* of skill—required to hunt different animals may vary greatly. In shooting white-tail, it is especially necessary to be a good snap-shot at running game; when the distance is close, quickness is an essential. But at antelope there is plenty of time, and what is necessary is ability to judge distance, and capacity to hit a small stationary object at long range.

The different degrees of estimation in which the chase of the various kinds of plains game is held depend less upon the difficulty of capture than upon the nature of the qualities in the hunter which each particular form of hunting calls into play. A man who is hardy, resolute, and a good shot, has come nearer to realizing the ideal of a bold and free hunter than is the case with one who is merely stealthy and patient; and so, though to kill a white-tail is rather more difficult than to kill a black-tail, yet the chase of the latter is certainly the nobler form of sport, for it calls into play, and either develops or implies the presence of, much more manly qualities than does the other. Most hunters would find it nearly as difficult to watch in silence by a salt-lick throughout the night, and then to butcher with a shot-gun a white-tail, as it would be to walk on foot

through rough ground from morning till evening, and to fairly approach and kill a black-tail; yet there is no comparison between the degree of credit to be attached to one feat and that to be attached to the other. Indeed, if difficulty in killing is to be taken as a criterion, a mink or even a weasel would have to stand as high up in the scale as a deer, were the animals equally plenty.

Ranged in the order of the difficulty with which they are approached and slain, plains game stand as follows: big-horn, antelope, white-tail, black-tail, elk, and buffalo. But, as regards the amount of manly sport furnished by the chase of each, the white-tail should stand at the bottom of the list, and the elk and black-tail abreast of the antelope.

Other things being equal, the length of an animal's stay in the land, when the arch foe of all lower forms of animal life has made his appearance therein, depends upon the difficulty with which he is hunted and slain. But other influences have to be taken into account. The big-horn is shy and retiring; very few, compared to the whole number, will be killed; and yet the others vanish completely. Apparently, they will not remain where they are hunted and disturbed. With antelope and white-tail this does not hold; they will cling to a place far more tenaciously, even if often harassed. The former being the more

conspicuous, and living in such open ground, is apt to be more persecuted; while the white-tail, longer than any other animal, keeps its place in the land in spite of the swinish game butchers, who hunt for hides and not for sport or actual food, and who murder the gravid doe and the spotted fawn with as little hesitation as they would kill a buck of ten points. No one who is not himself a sportsman and lover of nature can realize the intense indignation with which a true hunter sees these butchers at their brutal work of slaughtering the game, in season and out, for the sake of the few dollars they are too lazy to earn in any other and more honest way.

All game animals rely upon both eyes, ears, and nose to warn them of the approach of danger; but the amount of reliance placed on each sense varies greatly in different species. Those found out on the plains pay very little attention to what they hear; indeed, in the open they can hardly be approached near enough to make of much account any ordinary amount of noise caused by the stalker, especially as the latter is walking over little but grass and soft earth. The buffalo, whose shaggy frontlet of hair falls over his eyes and prevents his seeing at any great distance, depends mainly upon his exquisite sense of smell. The antelope, on the other hand, depends almost entirely on his great bulging eyes, and very little

on his nose. His sight is many times as good as that of deer, both species of which, as well as elk, rely both upon sight and hearing, but most of all upon their sense of smell, for their safety. The big-horn has almost as keen eyesight as an antelope, while his ears and nose are as sensitive to sound and scent as are those of an elk.

Black-tail, like other members of the deer family, do not pay much attention to an object which is not moving. A hunter who is standing motionless or squatting down is not likely to receive attention, while a big-horn or prong-horn would probably see him and take the alarm at once; and if the black-tail is frightened and running he will run almost over a man standing in plain sight, without paying any heed to him, if the latter does not move. But the very slightest movement at once attracts a deer's attention, and deer are not subject to the panics that at times overtake other kinds of game. The black-tail has much curiosity, which often proves fatal to it; but which with it is after all by no means the ungovernable passion that it is with the antelope. The white-tail and the big-horn are neither overafflicted with morbid curiosity, nor subject to panics or fits of stupidity; and both these animals, as well as the black-tail, seem to care very little for the death of the leader of the band, going their own ways with small regard for the fate of

the chief, while elk will huddle together in a confused group, and remain almost motionless when their leader is struck down. Antelope, and more especially elk, are subject to perfect panics of unreasoning terror, during which they will often put themselves completely in the power of the hunter; while buffalo will frequently show a downright stupidity, almost unequalled.

The black-tail suffers from no such peculiarities. His eyes are good; his nose and ears excellent. He is ever alert and wary; his only failing is his occasional over-curiosity; and his pursuit taxes to the utmost the skill and resources of the still-hunter.

By all means the best coverings for the feet when still-hunting are moccasins, as with them a man can go noiselessly through ground where hob-nailed boots would clatter like the hoofs of a horse; but in hunting in winter over the icy buttes and cliffs it is best to have stout shoes, with nails in the soles, and if the main work is done on horseback it is best to wear high boots, as they keep the trousers down. Indeed, in the Bad Lands boots have other advantages, for rattlesnakes abound, and against these they afford perfect protection—unless a man should happen to stumble on a snake while crawling along on all fours. But moccasins are beyond all comparison the best footgear for hunting. In very cold weather a

fur cap which can be pulled down over the ears is a necessity; but at other times a brimmed felt hat offers better protection against both sun and rain. The clothes should be of some neutral tint —buckskin is on this account excellent—and very strong.

The still-hunter should be well acquainted with, at any rate, certain of the habits of his quarry. There are seasons when the black-tail is found in bands; such is apt to be the case when the rutting time is over. At this period, too, the deer wander far and wide, making what may almost be called a migration; and in rutting time the bucks follow the does at speed for miles at a stretch. But except at these seasons each individual black-tail has a certain limited tract of country to which he confines himself unless disturbed or driven away, not, of course, keeping in the same spot all the time, but working round among a particular set of ravines and coulies, where the feed is good, and where water can be obtained without going too far out of the immediate neighborhood.

Throughout the plains country the black-tail lives in the broken ground, seldom coming down to the alluvial bottoms or out on the open prairies and plateaus. But he is found all through this broken ground. Sometimes it is rolling in character, with rounded hills and gentle valleys, dotted

here and there with groves of trees; or the hills may rise into high chains, covered with an open pine forest, sending off long spurs and divided by deep valleys and basins. Such places are favorite resorts of this deer; but it is as plentiful in the Bad Lands proper. There are tracts of these which are in part or wholly of volcanic origin; then the hills are called scoria buttes. They are high and very steep, but with rounded tops and edges, and are covered, as is the ground round about, with scoriac boulders. Bushes, and sometimes a few cedar, grow among them, and though they would seem to be most unlikely places for deer, yet black-tail are very fond of them, and are very apt to be found among them. Often in the cold fall mornings they will lie out among the boulders, on the steep side of such a scoria butte, sunning themselves, far from any cover except a growth of brushwood in the bottom of the dry creeks or coulies. The grass on top of and between these scoria buttes is often very nutritious, and cattle are also fond of it. The higher buttes are choice haunts of the mountain sheep.

Nineteen twentieths of the Bad Lands, however, owe their origin not to volcanic action but to erosion and to the peculiar weathering forces always at work in the dry climate of the plains. Geologically, the land is for the most part

composed of a set of parallel, perfectly horizontal strata, of clay, marl, or sandstone, which, being of different degrees of hardness, offer some more and some less resistance to the action of the weather. The table-lands, peaks, cliffs, and jagged ridges are caused solely by the rains and torrents cutting away the land into channels, which at first are merely wash-outs, and at last grow into deep canyons, winding valleys, and narrow ravines or basins. The sides of these cuts are at first perpendicular, exposing to view the various bands of soil, perhaps of a dozen different colors; the hardest bands resist the action of the weather best and form narrow ledges stretching along the face of the cliff. Peaks of the most fantastic shape are formed in this manner; and where a ridge is worn away on each side its crest may be as sharp as a knife-blade, but all notched and jagged. The peaks and ridges vary in height from a few feet to several hundred; the sides of the buttes are generally worn down in places so as to be steeply sloping instead of perpendicular. The long wash-outs and the canyons and canyon-like valleys stretch and branch out in every direction; the dryness of the atmosphere, the extremes of intense heat and bitter cold, and the occasional furious rain-storms keep the edges and angles sharp and jagged, and pile up boulders and masses of loose detritus at the foot of the cliffs and great

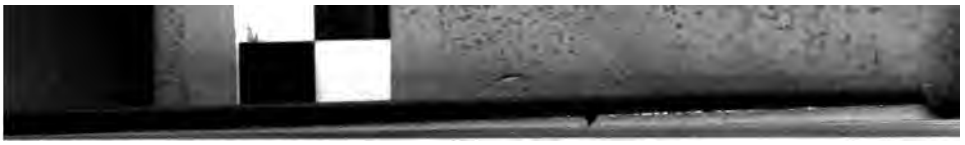
lonely crags. Sometimes the valleys are quite broad, with steep sides and with numerous pockets, separated by spurs jutting out into the bottom from the lateral ridges. Other ravines or clefts taper down to a ditch, a foot or so wide, from which the banks rise at an angle of sixty degrees to the tops of the enclosing ridges.

The faces of the terraced cliffs and sheer crags are bare of all but the scantiest vegetation, and where the Bad Lands are most rugged and broken the big-horn is the only game found. But in most places the tops of the buttes, the sides of the slopes, and the bottoms of the valleys are more or less thickly covered with the nutritious grass which is the favorite food of the black-tail.

Of course, the Bad Lands grade all the way from those that are almost rolling in character to those that are so fantastically broken in form and so bizarre in color as to seem hardly properly to belong to this earth. If the weathering forces have not been very active, the ground will look, from a little distance, almost like a level plain, but on approaching nearer, it will be seen to be crossed by straight-sided gullies and canyons, miles in length, cutting across the land in every direction and rendering it almost impassable for horsemen or wagon-teams. If the forces at work have been more intense, the walls between the different gullies have been cut down to thin edges,

or broken through, leaving isolated peaks of strange shape, while the hollows have been channelled out deeper and deeper; such places show the extreme and most characteristic Bad Lands formation. When the weathering has gone on farther, the angles are rounded off, grass begins to grow, bushes and patches of small trees sprout up, water is found in places, and the still very rugged country becomes the favorite abode of the black-tail.

During the daytime, these deer lie quietly in their beds, which are sometimes in the brush and among the matted bushes in the bottoms of the small branching coulies, or heads of the crooked ravines. More often they will be found in the thickets of stunted cedars clothing the brinks of the canyons or the precipitous slopes of the great chasms into which the ground is cleft and rent; or else among the groves of gnarled pines on the sides of the buttes, and in the basins and pockets between the spurs. If the country is not much hunted over, a buck or old doe will often take its mid-day rest out in the open, lying down among the long grass or shrubbery on one of the bare benches at the head of a ravine, at the edge of the dense brush with which its bottom and sides are covered. In such a case, a position is always chosen from which a lookout can be kept all around; and the moment any suspicious object is



seen, the deer slips off into the thicket below him. Perhaps the favorite resting-places are the rounded edges of the gorges, just before the sides of the latter break sheer off. Here the deer lies, usually among a few straggling pines or cedars, on the very edge of the straight side-wall of the canyon, with a steep-shelving slope above him, so that he cannot be seen from the summit; and in such places it is next to impossible to get at him. If lying on a cedar-grown spur or ridge-point, the still-hunter has a better chance, for the evergreen needles with which the ground is covered enable a man to walk noiselessly, and, by stooping or going on all fours, he can keep under the branches. But it is at all times hard and unsatisfactory work to find and successfully still-hunt a deer that is enjoying its day rest. Generally, the only result is to find the warm, fresh bed from which the deer has just sneaked off, the blades of grass still slowly rising, after the hasty departure of the weight that has flattened them down; or else, if in dense cover, the hunter suddenly hears a scramble, a couple of crashing bounds through the twigs and dead limbs, and gets a momentary glimpse of a dark outline vanishing into the thicket as the sole reward of his labor. Almost the only way to successfully still-hunt a deer in the middle of the day, is to find its trail and follow it up to the resting-places, and such a feat needs an

expert tracker and a noiseless and most skilful stalker.

The black-tail prefers to live in the neighborhood of water, where he can get it every twenty-four hours; but he is perfectly willing to drink only every other day, if, as is often the case, he happens to be in a very dry locality. Nor does he stay long in the water or near it, like the white-tail, but moves off as soon as he is no longer thirsty. On moonlight nights he feeds a good deal of the time, and before dawn he is always on foot for his breakfast; the hours around daybreak are those in which most of his grazing is done. By the time the sun has been up an hour he is on his way homeward, grazing as he goes; and he will often stay for some little time longer, if there has been no disturbance from man or other foes, feeding among the scattered scrub cedars skirting the thicket in which he intends to make his bed for the day. Having once made his bed he crouches very close in it, and is difficult to put up during the heat of the day; but as the afternoon wears on he becomes more restless, and will break from his bed and bound off at much smaller provocation, while if the place is lonely he will wander out into the open hours before sunset. If, however, he is in much danger of being molested, he will keep close to his hiding-place until nearly nightfall, when he ventures

out to feed. Owing to the lateness of his evening appearance in localities where there is much hunting, it is a safer plan to follow him in the early morning, being on the ground and ready to start out by the time the first streak of dawn appears. Often have I lost deer when riding home in the evening, because the dusk had deepened so that it was impossible to distinguish clearly enough to shoot.

One day one of my cowboys and myself were returning from an unsuccessful hunt, about nightfall, and were still several miles from the river, when a couple of yearling black-tails jumped up in the bed of the dry creek down which we were riding. Our horses, though stout and swift, were not well trained; and the instant we were off their backs they trotted off. No sooner were we on the ground and trying to sight the deer, one of which was cantering slowly off among the bushes, than we found we could not catch the bead sights of our rifles, the outlines of the animals seeming vague, and shadowy, and confounding themselves with the banks and dull green sage bushes behind them. Certainly, six or eight shots were fired, we doing our best to aim, but without any effect; and when we gave it up and turned to look for our horses we were annoyed to see the latter trotting off down the valley half a mile away. We went after at a round pace; but darkness closed in

before we had gained at all on them. There was nothing left to do but to walk on down the valley to the bottoms, and then to wade the river; as the latter was quite high, we had to take off our clothes, and it is very uncomfortable to feel one's way across a river at night, in bare feet, with the gun and the bundle of clothes held high overhead. However, when across the river and half a mile from home, we ran into our horses—a piece of good luck, as otherwise we should have had to spend the next day in looking for them.

Almost the only way in which it is possible to aim after dark is to get the object against the horizon, toward the light. One of the finest bucks I ever killed was shot in this way. It was some little time after the sun had set, and I was hurrying home, riding down along a winding creek at a gallop. The middle of the bottom was covered with brush, while the steep, grassy, rounded hills on each side sent off spurs into the valley, the part between every two spurs making a deep pocket. The horse's feet were unshod and he made very little noise, coming down against the wind. While passing a deep pocket I heard from within it a snort and stamping of feet, the well-known sounds made by a startled deer. Pulling up short I jumped off the horse,—it was Manitou,—who instantly began feeding with perfect indifference to what he probably regarded as an

irrational freak of his master; and, aiming as well as I could in the gathering dusk, held the rifle well ahead of a shadowy gray object which was scudding along the base of the hill towards the mouth of the pocket. The ball struck in front of and turned the deer, which then started obliquely up the hill. A second shot missed it; and I then (here comes in the good of having a repeater) knelt down and pointed the rifle against the sky line, at the place where the deer seemed likely to top the bluff. Immediately afterwards the buck appeared, making the last jump with a great effort which landed him square on the edge, as sharply outlined as a silhouette against the fading western light. My rifle bead was just above him; pulling it down I fired, as the buck paused for a second to recover himself from his last great bound, and with a crash the mighty antlered beast came rolling down the hill, the bullet having broken his back behind the shoulders, afterwards going out through his chest.

At times a little caution must be used in approaching a wounded buck, for if it is not disabled it may be a rather formidable antagonist. In my own experience I have never known a wounded buck to do more than make a pass with his horns, or, in plunging when the knife enters his throat, to strike with his forefeet. But one of my men was regularly charged by a great buck, which he

had wounded, and which was brought to bay on the ice by a dog. It seemed to realize that the dog was not the main antagonist, and knocking him over charged straight past him at the man, and as the latter had in his haste not reloaded his rifle, he might have been seriously injured had it not been for the dog, a very strong and plucky one, which caught the buck by the hock and threw him. The buck got up and again came straight at his foe, uttering a kind of grunting bleat, and it was not till after quite a scuffle that the man, by the help of the dog, got him down and thrust the knife in his throat. Twice I have known hounds to be killed by bucks which they had brought to bay in the rutting season. One of these bucks was a savage old fellow with great thick neck and sharp-pointed antlers. He came to bay in a stream, under a bank thickly matted with willows which grew down into the water, guarding his rear and flanks, while there was a small pool in his front across which the hounds had to swim. Backing in among the willows he rushed out at every dog that came near, striking it under water with his forefeet, and then again retreating to his fortress. In this way he kept the whole pack off, and so injured one hound that he had to be killed. Indeed, a full-grown buck with antlers would be a match for a wolf, unless surprised, and could not improbably beat off a cougar if he

received the latter's spring fairly on his prong points.

Bucks fight fiercely among themselves during the rutting season. At that time the black-tail, unlike the white-tail, is found in bands, somewhat like those of the elk, but much smaller, and the bucks of each band keep up an incessant warfare. A weak buck promptly gets out of the way if charged by a large one; but when two of equal strength come together the battle is well fought. Instances occasionally occur, of a pair of these duellists getting their horns firmly interlocked and thus perishing; but these instances are much rarer, owing to the shape of the antlers, than with the white-tail, of which species I have in my own experience come across two or three sets of skulls held together by their interlacing antlers, the bearers of which had doubtless died owing to their inability to break away from each other.

A black-tail buck is one of the most noble-looking of all deer. His branching and symmetrically curved antlers are set on a small head, carried with beautiful pose by the proud, massive neck. The body seems almost too heavy for the slender legs, and yet the latter bear it as if they were rods of springing steel. Every movement is full of alert, fiery life and grace, and he steps as lightly as though he hardly trod the earth. The large, sensitive ears are thrown forward to catch

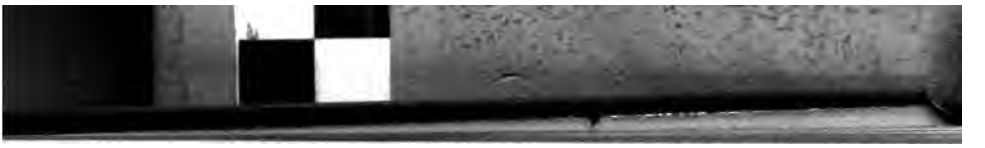
the slightest sound; and in the bush they are not too conspicuous, though they are the only parts of his frame which at any time can be said to take away from his beauty. They give the doe a somewhat moose look: at a distance, the head of a doe peering out from among twigs looks like a great black V. To me, however, even in the case of the doe, they seem to set off and strengthen by contrast the delicate, finely-modeled look of the head. Owing to these ears the species is called in the books the Mule Deer, and every now and then a plainsman will speak of it by this title. But all plainsmen know it generally, and ninety-nine out of a hundred know it only, as the Black-tail Deer; and as this is the title by which it is known among all who hunt it or live near it, it should certainly be called by the same name in the books.

But though so grand and striking an object when startled, or when excited, whether by curiosity or fear, love or hate, a black-tail is nevertheless often very hard to make out when standing motionless among the trees and brushwood, or when lying down among the boulders. A raw hand at hunting has no idea how hard it is to see a deer when at rest. The color of the hair is gray, almost the same tint as that of the leafless branches and tree trunks; for of course the hunting season is at its height only when the leaves have fallen.

A deer standing motionless looks black or gray, according as the sunlight strikes it; but always looks exactly the same color as the trees around it. It generally stands or lies near some tree trunks; and the eye may pass over it once or twice without recognizing its real nature. In the brush it is still more difficult, and there a deer's form is often absolutely indistinguishable from the surroundings, as one peers through the mass of interlacing limbs and twigs. Once an old hunter and myself in walking along the ridge of a scoria butte passed by, without seeing them, three black-tail lying among the scattered boulders of volcanic rock on the hillside, not fifty yards from us. After a little practical experience a would-be hunter learns not to expect deer always, or even generally, to appear as they do when near by or suddenly startled; but on the contrary to keep a sharp lookout on every dull-looking red or yellow patch he sees in a thicket, and to closely examine any grayish-looking object observed on the hillsides, for it is just such small patches or obscure-looking objects which are apt, if incautiously approached, to suddenly take to themselves legs, and go bounding off at a rate which takes them out of danger before the astonished tyro has really waked up to the fact that they are deer. The first lesson to be learned in still-hunting is the knowledge of how to tell what objects

are and what are not deer; and to learn it is by no means as easy a task as those who have never tried it would think.

When he has learned to see a deer, the novice then has to learn to hit it, and this again is not the easy feat it seems. That he can do well with a shot-gun proves very little as to a man's skill with the rifle, for the latter carries but one bullet, and can therefore hit but in one place, while with a shot-gun, if you hold a foot off your mark you will be nearly as apt to hit as if you held plumb centre. Nor does *mere* practice at a mark avail, though excellent in its way; for a deer is never seen at a fixed and ascertained distance, nor is its outline often clearly and sharply defined, as with a target. Even if a man keeps cool—and for the first shot or two he will probably be flurried—he may miss an absurdly easy shot by not taking pains. I remember on one occasion missing two shots in succession where it seemed really impossible for a man to help hitting. I was out hunting on horseback with one of my men, and on loping round the corner of a brushy valley came suddenly in sight of a buck with certainly more than a dozen points on his great spreading antlers. I jumped off my horse instantly, and fired as he stood facing me not over forty yards off; fired, as I supposed perfectly, coolly, though without dropping on my knee as I should have done. The



shot must have gone high, for the buck bounded away unharmed, heedless of a second ball; and immediately his place was taken by another, somewhat smaller, who sprang out of a thicket into almost the identical place where the big buck had stood. Again I fired and missed; again the buck ran off, and was shot at and missed while running—all four shots being taken within fifty yards. I clambered on to the horse without looking at my companion, but too conscious of his smothered disfavor; after riding a few hundred yards, he said with forced politeness and a vague desire to offer some cheap consolation, that he supposed I had done my best; to which I responded with asperity that I 'd be damned if I had; and we finished our journey homeward in silence. A man is likely to overshoot at any distance; but at from twenty-five to seventy-five yards he is certain to do so if he is at all careless.

Moreover, besides not missing, a man must learn to hit his deer in the right place; the first two or three times he shoots he will probably see the whole deer in the rifle sights, instead of just the particular spot he wishes to strike; that is, he will aim in a general way at the deer's whole body—which will probably result in a wound not disabling the animal in the least for the time, although ensuring its finally dying a lingering and painful death. The most instantaneously fatal places are

the brain and any part of the spinal column; but these offer such small marks that it is usually only by accident they are hit. The mark at any part of which one can fire with safety is a patch about eight inches or a foot square, including the shoulder-blades, lungs, and heart. A kidney-shot is very fatal; but a black-tail will go all day with a bullet through his entrails, and in cold weather I have known one to run several miles with a portion of his entrails sticking out of a wound and frozen solid. To break both shoulders by a shot as the deer stands sideways to the hunter, brings the buck down in its tracks; but perhaps the best place at which to aim is the point in the body right behind the shoulder-blade. On receiving a bullet in this spot the deer will plunge forward for a jump or two, and then go some fifty yards in a labored gallop; will then stop, sway unsteadily on its legs for a second, and pitch forward on its side. When the hunter comes up he will find his quarry stone dead. If the deer stands facing the hunter it offers only a narrow mark, but either a throat or chest shot will be fatal.

Good shooting is especially necessary after black tail, because it is so very tenacious of life; much more so than the white-tail, or, in proportion to its bulk, than the elk. For this reason it is of the utmost importance to give an immediately fatal or disabling wound, or the game will almost

certainly be lost. It is wonderful to see how far and how fast a seemingly crippled deer will go. Of course, a properly trained dog would be of the greatest use in tracking and bringing to bay wounded black-tail; but, unless properly trained to come in to heel, a dog is worse than useless; and, anyhow, it will be hard to keep one, as long as the wolf-hunters strew the ground so plentifully with poisoned bait. We have had several hunting dogs on our ranch at different times; generally wire-haired deer-hounds, fox-hounds, or grey-hounds, by no means absolutely pure in blood; but they all, sooner or later, succumbed to the effects of eating poisoned meat. Some of them were quite good hunting dogs, the rough deer-hounds being perhaps the best at following and tackling a wounded buck. They were all very eager for the sport, and when in the morning we started out on a hunt the dogs were apparently more interested than the men; but their judgment did not equal their zeal, and lack of training made them on the whole more bother than advantage.

But much more than good shooting is necessary before a man can be called a good hunter. Indians, for example, get a good deal of game, but they are in most cases very bad shots. Once, while going up the Clear Fork of the Powder, in Northern Wyoming, one of my men, an excellent hunter, and myself rode into a large camp of

Cheyennes; and after a while started a shooting-match with some of them. We had several trials of skill with the rifle, and, a good deal to my astonishment, I found that most of the Indians (quite successful hunters, to judge by the quantity of smoked venison lying round) were very bad shots, indeed. None of them came anywhere near the hunter who was with me; nor, indeed, to myself. An Indian gets his game by his patience, his stealth, and his tireless perseverance; and a white, to be really successful in still-hunting, must learn to copy some of the Indian's traits.

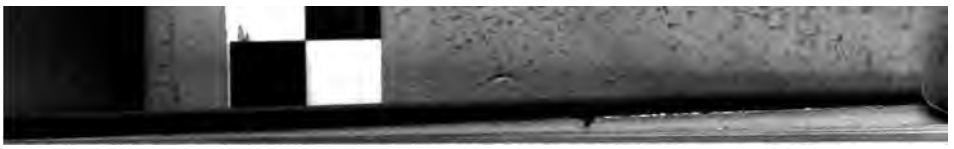
While the game butchers, the skin hunters, and their like, work such brutal slaughter among the plains animals that these will soon be either totally extinct or so thinned out as to cease being prominent features of plains life, yet, on the other hand, the nature of the country debars them from following certain murderous and unsportsmanlike forms of hunting much in vogue in other quarters of our land. There is no deep water into which a deer can be driven by hounds, and then shot at arm's-length from a boat, as is the fashion with some of the city sportsmen who infest the Adirondack forests during the hunting season; nor is the winter snow ever deep enough to form a crust over which a man can go on snow-shoes, and after running down a deer, which plunges as if in a quagmire, knock the poor, worn-out brute on the

head with an axe. Fire-hunting is never tried in the cattle country; it would be far more likely to result in the death of a steer or pony than in the death of a deer, if attempted on foot with a torch, as is done in some of the Southern States, while the streams are not suited to the floating or jacking with a lantern in the bow of the canoe, as practised in the Adirondacks. Floating and fire-hunting, though by no means to be classed among the nobler kinds of sport, yet have a certain fascination of their own, not so much for the sake of the actual hunting, as for the novelty of being out in the wilderness at night; and the noiselessness absolutely necessary to insure success often enables the sportsman to catch curious glimpses of the night life of the different kinds of wild animals.

If it were not for the wolf poison, the plains country would be peculiarly fitted for hunting with hounds; and, if properly carried on, there is no manlier form of sport. It does not imply in the man who follows it the skill that distinguishes the successful still-hunter, but it has a dash and excitement all its own, if the hunter follows the hounds on horseback. But, as carried on in the Adirondacks and in the Eastern and Southern mountains generally, hounding deer is not worthy of much regard. There the hunter is stationed at a runaway over which deer will

probably pass, and has nothing to do but sit still for a number of weary hours and perhaps put a charge of buckshot into a deer running by but a few yards off. If a rifle instead of a shot-gun is used, a certain amount of skill is necessary, for then it is hard to hit a deer running, no matter how close up; but even with this weapon all the sportsman has to do is to shoot well; he need not show knowledge of a single detail of hunting craft, nor need he have any trait of mind or body such as he must possess to follow most other kinds of the chase.

Deer-hunting on horseback is something widely different. Even if the hunters carry rifles and themselves kill the deer, using the dogs merely to drive it out of the brush, they must be bold and skilful horsemen, and must show good judgment in riding to cut off the quarry, so as to be able to get a shot at it. This is the common American method of hunting the deer in those places where it is followed with horse and hound; but it is also coursed with greyhounds in certain spots where the lay of the land permits this form of sport, and in many districts, even where ordinary hounds are used, the riders go unarmed and merely follow the pack till the deer is bayed and pulled down. All kinds of hunting on horseback —and most hunting on horseback is done with hounds—tend to bring out the best and manliest



qualities in the men who follow them, and they should be encouraged in every way. Long after the rifleman, as well as the game he hunts, shall have vanished from the plains, the cattle country will afford fine sport in coursing hares; and both wolves and deer could be followed and killed with packs of properly-trained hounds, and such sport would be even more exciting than still-hunting with the rifle. It is on the great plains lying west of the Missouri that riding to hounds will in the end receive its fullest development as a national pastime.

But at present, for the reasons already stated, it is almost unknown in the cattle country; and the ranchman who loves sport must try still-hunting—and by still-hunting is meant pretty much every kind of chase where a single man, unaided by a dog, and almost always on foot, outgenerals a deer and kills it with the rifle. To do this successfully, unless deer are very plenty and tame, implies a certain knowledge of the country, and a good knowledge of the habits of the game. The hunter must keep a sharp look-out for deer sign; for, though a man soon gets to have a general knowledge of the kind of places in which deer are likely to be, yet he will also find that they are either very capricious, or else that no man has more than a partial understanding of their tastes and likings; for many spots

apparently just suited to them will be almost uninhabited, while in others they will be found where it would hardly occur to any one to suspect their presence. Any cause may temporarily drive deer out of a given locality. Still-hunting, especially, is sure to send many away, while rendering the others extremely wild and shy, and where deer have become used to being pursued in only one way, it is often an excellent plan to try some entirely different method.

A certain knowledge of how to track deer is very useful. To become a really skilful tracker is most difficult; and there are some kinds of ground—where, for instance, it is very hard and dry, or frozen solid—on which almost any man will be at fault. But any one with a little practice can learn to do a certain amount of tracking. On snow, of course, it is very easy; but on the other hand it is also peculiarly difficult to avoid being seen by the deer when the ground is white. After deer have been frightened once or twice, or have even merely been disturbed by man, they get the habit of keeping a watch back on their trail; and when snow has fallen, a man is such a conspicuous object deer see him a long way off, and even the tamest become wild. A deer will often, before lying down, take a half circle back to one side and make its bed a few yards from its trail, where it can, itself unseen,

watch any person tracing it up. A man tracking in snow needs to pay very little heed to the footprints, which can be followed without effort, but requires to keep up the closest scrutiny over the ground ahead of him, and on either side of the trail.

In the early morning when there is a heavy dew the footprints will be as plain as possible in the grass, and can then be followed readily; and in any place where the ground is at all damp they will usually be plain enough to be made out without difficulty. When the ground is hard or dry the work is very much less easy, and soon becomes so difficult as not to be worth while following up. Indeed, at all times, even in the snow, tracks are chiefly of use to show the probable locality in which a deer may be found; and the still-hunter, instead of laboriously walking along a trail will do far better to merely follow it until, from its freshness and direction, he feels confident that the deer is in some particular space of ground, and then hunt through it, guiding himself by his knowledge of the deer's habits and by the character of the land. Tracks are of most use in showing whether deer are plenty or scarce, whether they have been in the place recently or not. Generally, signs of deer are infinitely more plentiful than the animals themselves—although in regions where tracking is especially difficult

deer are often jumped without any sign having been seen at all. Usually, however, the rule is the reverse, and as deer are likely to make any quantity of tracks the beginner is apt, judging purely from the sign, greatly to overestimate their number. Another mistake of the beginner is to look for the deer during the daytime in the places where their tracks were made in the morning, when their day beds will probably be a long distance off. In the night-time deer will lie down almost anywhere, but during the day they go some distance from their feeding- or watering-places, as already explained.

If deer are at all plenty—and if scarce only a master in the art can succeed at still-hunting—it is best not to try to follow the tracks at all, but merely to hunt carefully through any ground which from its looks seems likely to contain the animals. Of course, the hunting must be done either against or across the wind, and the greatest care must be taken to avoid making a noise. Moccasins should be worn, and not a twig should be trodden on, nor should the dress be allowed to catch in a brush. Especial caution should be used in going over a ridge or crest; no man should ever let his whole body appear at once, but should first carefully peep over, not letting his rifle barrel come into view, and closely inspect every place in sight in which a deer could possibly stand or

lie, always remembering that a deer is, when still, a most difficult animal to see, and that it will be completely hidden in cover which would apparently hardly hold a rabbit. The rifle should be carried habitually so that the sun will not glance upon it. Advantage must be taken, in walking, of all cover, so that the hunter will not be a conspicuous object at any distance. The heads of a series of brushy ravines should always be crossed; and a narrow, winding valley, with patches of bushes and young trees down through the middle, is always a likely place. Caution should never for a moment be forgotten, especially in the morning or evening, the times when a hunter will get nine tenths of his shots; for it is just then, when moving and feeding, that deer are most watchful. One will never browse for more than a minute or two without raising its head and peering about for any possible foe, the great, sensitive ears thrown forward to catch the slightest sound. But while using such caution it is also well to remember that as much ground should be crossed as possible; other things being equal, the number of shots obtained will correspond to the amount of country covered. And of course a man should be on the hunting-ground—not starting for the hunting-ground—by the time there is enough light by which to shoot.

Deer are in season for hunting from August first

to January first. August is really too early to get full enjoyment out of the sport. The bucks, though fat and good eating, are still in the velvet; and neither does nor fawns should be killed, as many of the latter are in the spotted coat. Besides, it is very hot in the middle of the day, though pleasant walking in the early morning and late evening, and with cool nights. December is apt to be too cold, although with many fine days. The true time for the chase of the black-tail is in the three fall months. Then the air is fresh and bracing, and a man feels as if he could walk or ride all day long without tiring. In the bright fall weather the country no longer keeps its ordinary look of parched desolation, and the landscape loses its sameness at the touch of the frost. Where everything before had been gray or dull green there are now patches of russet red and bright yellow. The clumps of ash, wild plum-trees, and rose-bushes in the heads and bottoms of the sloping valleys become spots of color that glow among the stretches of brown and withered grass; the young cottonwoods, growing on the points of land round which flow the rivers and streams, change to a delicate green or yellow, on which the eye rests with pleasure after having so long seen only the dull drab of the prairies. Often there will be days of bitter cold, when a man who sleeps out in the open feels

the need of warm furs; but still more often there will be days and days of sunny weather, not cold enough to bring discomfort, but yet so cold that the blood leaps briskly through a man's veins and makes him feel that to be out and walking over the hills is a pleasure in itself, even were he not in hopes of any moment seeing the sun glint on the horns and hide of some mighty buck, as it rises to face the intruder. On days such as these, mere life is enjoyment; and on days such as these, the life of a hunter is at its pleasantest and best.

Many black-tail are sometimes killed in a day. I have never made big bags myself, for I rarely hunt except for a fine head or when we need meat, and, if it can be avoided, do not shoot at fawns or does; so the greatest number I have ever killed in a day was three. This was late one November, on an occasion when our larder was running low. My foreman and I, upon discovering this fact, determined to make a trip next day back in the broken country, away from the river, where black-tail were almost sure to be found.

We breakfasted hours before sunrise, and then mounted our horses and rode up the river bottom. The bright prairie moon was at the full, and was sunk in the west till it hung like a globe of white fire over the long row of jagged bluffs that rose from across the river, while its beams brought into fantastic relief the peaks and crests of the

buttes upon our left. The valley of the river itself was in partial darkness, and the stiff, twisted branches of the sage-brush seemed to take on uncanny shapes as they stood in the hollows. The cold was stinging, and we let our willing horses gallop with loose reins, their hoofs ringing on the frozen ground. After going up a mile or two along the course of the river we turned off to follow the bed of a large dry creek. At its mouth was a great space of ground much cut up by the hoofs of the cattle, which was in summer overflowed and almost a morass; but now the frost-bound earth was like wrinkled iron beneath the horses' feet. Behind us the westering moon sank down out of sight; and with no light but that of the stars, we let our horses tread their own way up the creek bottom. When we had gone a couple of miles from the river the sky in front of our faces took on a faint grayish tinge, the forerunner of dawn. Every now and then we passed by bunches of cattle, lying down or standing huddled together in the patches of brush or under the lee of some shelving bank or other wind-break; and as the eastern heavens grew brighter, a dark form suddenly appeared against the sky-line, on the crest of a bluff directly ahead of us. Another and another came up beside it. A glance told us that it was a troop of ponies, which stood motionless, like so many silhouettes, their outstretched necks

and long tails vividly outlined against the light behind them. All in the valley was yet dark when we reached the place where the creek began to split up and branch out into the various arms and ravines from which it headed. We galloped smartly over the divide into a set of coulies and valleys which ran into a different creek, and selected a grassy place where there was good feed to leave the horses. My companion picketed his; Manitou needed no picketing.

The tops of the hills were growing rosy, but the sun was not yet above the horizon when we started off, with our rifles on our shoulders, walking in cautious silence, for we were in good ground and might at any moment see a deer. Above us was a plateau of some size, breaking off sharply at the rim into a surrounding stretch of very rough and rugged country. It sent off low spurs with notched crests into the valleys round about, and its edges were indented with steep ravines and half-circular basins, their sides covered with clusters of gnarled and wind-beaten cedars, often gathered into groves of some size. The ground was so broken as to give excellent cover under which a man could approach game unseen; there were plenty of fresh signs of deer; and we were confident we should soon get a shot. Keeping at the bottom of the gullies, so as to be ourselves inconspicuous, we walked noiselessly on, cautiously

examining every pocket or turn before we rounded the corner, and looking with special care along the edges of the patches of brush.

At last, just as the sun had risen, we came out by the mouth of a deep ravine or hollow, cut in the flank of the plateau, with steep, cedar-clad sides; and on the crest of a jutting spur, not more than thirty yards from where I stood, was a black-tail doe, half facing me. I was in the shadow, and for a moment she could not make me out, and stood motionless with her head turned toward me and her great ears thrown forward. Dropping on my knee, I held the rifle a little back of her shoulder—too far back, as it proved, as she stood quartering and not broadside to me. No fairer chance could ever fall to the lot of a hunter; but, to my intense chagrin, she bounded off at the report as if unhurt, disappearing instantly. My companion had now come up, and we ran up a rise of ground, and crouched down beside a great block of sandstone, in a position from which we overlooked the whole ravine or hollow. After some minutes of quiet watchfulness, we heard a twig snap—the air was so still we could hear anything—some rods up the ravine, but below us; and immediately afterward a buck stole out of the cedars. Both of us fired at once, and with a convulsive spring he rolled over backward, one bullet having gone through his neck, and the

other—probably mine—having broken a hind leg. Immediately afterward, another buck broke from the upper edge of the cover, near the top of the plateau, and, though I took a hurried shot at him, bounded over the crest, and was lost to sight.

We now determined to go down into the ravine and look for the doe, and as there was a good deal of snow in the bottom and under the trees, we knew we could soon tell if she were wounded. After a little search we found her track, and walking along it a few yards, came upon some drops and then a splash of blood. There being no need to hurry, we first dressed the dead buck —a fine, fat fellow, but with small misshapen horns—and then took up the trail of the wounded doe. Here, however, I again committed an error, and paid too much heed to the trail and too little to the country round about; and, while following it with my eyes down on the ground in a place where it was faint, the doe got up some distance ahead and to one side of me, and bounded off round a corner of the ravine. The bed where she had lain was not very bloody, but from the fact of her having stopped so soon, I was sure she was badly wounded. However, after she got out of the snow the ground was as hard as flint, and it was impossible to track her; the valley soon took a turn, and branched into a tangle of coulies and ravines. I deemed it probable that she would

not go up the hill, but would run down the course of the main valley; but as it was so uncertain, we thought it would pay us best to look for a new deer.

Our luck, however, seemed—very deservedly—to have ended. We tramped on, as swiftly as was compatible with quiet, for hour after hour; beating through the valleys against the wind, and crossing the brushy heads of the ravines, sometimes close together, and sometimes keeping about a hundred yards apart, according to the nature of the ground. When we had searched all through the country round the head of the creek, into which we had come down, we walked over to the next, and went over it with equal care and patience. The morning was now well advanced, and we had to change our method of hunting. It was no longer likely that we should find the deer feeding or in the open, and instead we looked for places where they might be expected to bed, following any trails that led into thick patches of brush or young trees, one of us then hunting through the patch while the other kept watch without. Doubtless we must have passed close to more than one deer, and doubtless others heard us and skulked off through the thick cover; but, although we saw plenty of signs, we saw neither hoof nor hair of living thing. It is under such circumstances that a still-hunter needs to show

resolution, and to persevere until his luck turns —this being a euphemistic way of saying: until he ceases to commit the various blunders which alarm the deer and make them get out of the way. Plenty of good shots become disgusted if they do not see a deer early in the morning, and go home; still more, if they do not see one in two or three days. Others will go on hunting, but become careless, stumble and step on dried sticks, and let their eyes fall to the ground. It is a good test of a man's resolution to see if, at the end of a long and unsuccessful tramp after deer, he moves just as carefully, and keeps just as sharp a look-out as he did at the beginning. If he does this, and exercises a little common-sense—in still-hunting, as in everything else, common-sense is the most necessary of qualities,—he may be sure that his reward will come some day; and when it does come, he feels a gratification that only his fellow-sportsmen can understand.

We lunched at the foot of a great clay butte, where there was a bed of snow. Fall or winter hunting in the Bad Lands has one great advantage; the hunter is not annoyed by thirst as he is almost sure to be if walking for long hours under the blazing summer sun. If he gets very thirsty, a mouthful or two of snow from some hollow will moisten his lips and throat; and anyhow, thirstiness is largely a mere matter of habit. For lunch,

the best thing a hunter can carry is dried or smoked venison, with not too much salt in it. It is much better than bread, and not nearly so dry; and it is easier to carry, as a couple of pieces can be thrust into the bosom of the hunting shirt or the pocket, or in fact anywhere; and for keeping up a man's strength there is nothing that comes up to it.

After lunch we hunted until the shadows began to lengthen out, when we went back to our horses. The buck was packed behind good old Manitou, who can carry any amount of weight at a smart pace, and does not care at all if a strap breaks and he finds his load dangling about his feet, an event that reduces most horses to a state of frantic terror. As soon as loaded, we rode down the valley into which the doe had disappeared in the morning, one taking each side and looking into every possible lurking place. The odds were all against our finding any trace of her; but a hunter soon learns that he must take advantage of every chance, however slight. This time we were rewarded for our care; for after riding about a mile our attention was attracted by a white patch in a clump of low briars. On getting off and looking in it proved to be the white rump of the doe, which lay stretched out inside, stark and stiff. The ball had gone in too far aft and had come out on the opposite side near her hip, making a

mortal wound, but one which allowed her to run over a mile before dying. It was little more than an accident that we in the end got her; and my so nearly missing at such short range was due purely to carelessness and bad judgment. I had killed too many deer to be at all nervous over them, and was as cool with a buck as with a rabbit; but as she was so close I made the common mistake of being too much in a hurry, and did not wait to see that she was standing quartering to me, and that, consequently, I should aim at the point of the shoulder. As a result, the deer was nearly lost.

Neither of my shots had so far done me much credit; but, at any rate, I had learned where the error lay, and this is going a long way toward correcting it. I kept wishing that I could get another chance to see if I had not profited by my lessons; and before we reached home my wish was gratified. We were loping down a grassy valley, dotted with clumps of brush, the wind blowing strong in our faces, and deadening the noise made by the hoofs on the grass. As we passed by a piece of broken ground a yearling black-tail buck jumped into view and cantered away. I was off Manitou's back in an instant. The buck was moving slowly, and was evidently soon going to stop and look around, so I dropped on one knee, with my rifle half raised, and waited.

When about sixty yards off he halted and turned sideways to me, offering a beautiful broadside shot. I aimed at the spot just behind the shoulder and felt I had him. At the report he went off, but with short, weak bounds, and I knew he would not go far; nor did he, but stopped short, swayed unsteadily about, and went over on his side, dead, the bullet clean through his body.

Each of us already had a deer behind his saddle, so we could not take the last buck along with us. Accordingly, we dressed him, and hung him up by the heels to a branch of a tree, piling the brush around as if building a slight pen or trap, to keep off the coyotes; who, anyhow, are not apt to harm game that is hanging up, their caution seeming to make them fear that it will not be safe to do so. In such cold weather a deer hung up in this way will keep an indefinite length of time; and the carcass was all right when, a week or two afterwards, we sent out the buckboard to bring it back.

A stout buckboard is very useful on a ranch, where men are continually taking short trips on which they do not wish to be encumbered by the heavy ranch wagon. Pack ponies are always a nuisance, though of course an inevitable one in making journeys through mountains or forests. But on the plains a buckboard is far more handy. The blankets and provisions can be loaded upon

it, and it can then be given a definite course to travel or point to reach; and meanwhile the hunters, without having their horses tired by carrying heavy packs, can strike off and hunt wherever they wish. There is little or no difficulty in going over the prairie, but it needs a skilful plainsman, as well as a good teamster, to take a wagon through the Bad Lands. There are but two courses to follow. One is to go along the bottoms of the valleys; the other is to go along the tops of the divides. The latter is generally the best; for each valley usually has at its bottom a deep winding ditch, with perpendicular banks, which wanders first to one side and then to the other, and has to be crossed again and again, while a little way from it begin the gullies and gulches which come down from the side hills. It is no easy matter to tell which is the main divide, as it curves and twists about, and is all the time splitting up into lesser ones, which merely separate two branches of the same creek. If the teamster does not know the lay of the land he will be likely to find himself in a *cul-de-sac*, from which he can only escape by going back a mile or two and striking out afresh. In very difficult country the horsemen must be on hand to help the team pull up the steep places. Many horses that will not pull a pound in harness will haul for all there is in them from the saddle; Manitou is a

case in point. Often obstacles will be encountered across which it is simply impossible for any team to drag a loaded or even an empty wagon. Such are steep canyons, or muddy-bottomed streams with sheer banks, especially if the latter have rotten edges. The horses must then be crossed first and the wagon dragged over afterward by the aid of long ropes. Often it may be needful to build a kind of rude bridge or causeway on which to get the animals over; and if the canyon is very deep the wagon may have to be taken in pieces, let down one side, and hauled up the other. An immense amount of labor may be required to get over a very trifling distance. Pack animals, however, can go almost anywhere that a man can.

Although still-hunting on foot, as described above, is on the whole the best way to get deer, yet there are many places where, from the nature of the land, the sport can be followed quite as well on horseback, than which there is no more pleasant kind of hunting. The best shot I ever made in my life—a shot into which, however, I am afraid the element of chance entered much more largely than the element of skill—was made while hunting black-tail on horseback.

We were at that time making quite a long trip with the wagon, and were going up the fork of a plains river in Western Montana. As we were out of food, those two of our number who usually

undertook to keep the camp supplied with game determined to make a hunt off back of the river after black-tail; for though there were some white-tail in the more densely timbered river bottoms, we had been unable to get any. It was arranged that the wagon should go on a few miles, and then halt for the night, as it was already the middle of the afternoon when we started out. The country resembled in character other parts of the cattle plains, but it was absolutely bare of trees except along the bed of the river. The rolling hills sloped steeply off into long valleys and deep ravines. They were sparsely covered with coarse grass, and also with an irregular growth of tall sage-brush, which in some places gathered into dense thickets. A beginner would have thought the country entirely too barren of cover to hold deer, but a very little experience teaches one that deer will be found in thickets of such short and sparse growth that it seems as if they could hide nothing; and, what is more, that they will often skulk round in such thickets without being discovered. And a black-tail is a bold, free animal, liking to go out in comparatively open country, where he must trust to his own powers, and not to any concealment, to protect him from danger.

Where the hilly country joined the alluvial river bottom, it broke short off into steep bluffs,

up which none but a Western pony could have climbed. It is really wonderful to see what places a pony can get over, and the indifference with which it regards tumbles. In getting up from the bottom we went into a wash-out, and then led our ponies along a clay ledge, from which we turned off and went straight up a very steep sandy bluff. My companion was ahead; just as he turned off the ledge, and as I was right underneath him, his horse, in plunging to try to get up the sand bluff, overbalanced itself, and, after standing erect on its hind legs for a second, came over backward. The second's pause while it stood bolt upright, gave me time to make a frantic leap out of the way with my pony, which scrambled after me, and we clung with hands and hoofs to the side of the bank, while the other horse took two as complete somersaults as I ever saw, and landed with a crash at the bottom of the wash-out, feet uppermost. I thought it was done for, but not a bit. After a moment or two it struggled to its legs, shook itself, and looked round in rather a shame-faced way, apparently not in the least the worse for the fall. We now got my pony up to the top by vigorous pulling, and then went down for the other, which at first strongly objected to making another trial, but, after much coaxing and a good deal of abuse, took a start and went up without trouble.

For some time after reaching the top of the bluffs we rode along without seeing anything. When it was possible, we kept one on each side of a creek, avoiding the tops of the ridges, because while on them a horseman can be seen at a very long distance, and going with particular caution whenever we went round a spur or came up over a crest. The country stretched away like an endless, billowy sea of dull-brown soil and barren sage-brush, the valleys making long parallel furrows, and everything having a look of dreary sameness. At length, as we came out on a rounded ridge, three black-tail bucks started up from a lot of sage-brush some two hundred yards away and below us, and made off down hill. It was a very long shot, especially to try running, but, as game seemed scarce and cartridges were plenty, I leaped off the horse, and, kneeling, fired. The bullet went low, striking in a line at the feet of the hindmost. I held very high next time, making a wild shot above and ahead of them, which had the effect of turning them, and they went off round a shoulder of a bluff, being by this time down in the valley. Having plenty of time I elevated the sights (a thing I hardly ever do) to four hundred yards and waited for their reappearance. Meanwhile, they had evidently gotten over their fright, for pretty soon one walked out from the other side of the bluff, and came to a

standstill, broadside toward me. He was too far off for me to see his horns. As I was raising the rifle another stepped out and began to walk towards the first. I thought I might as well have as much of a target as possible to shoot at, and waited for the second buck to come out farther, which he did immediately and stood still just alongside of the first. I aimed above his shoulders and pulled the trigger. Over went the two bucks! And when I rushed down to where they lay I found I had pulled a little to one side, and the bullet had broken the backs of both. While my companion was dressing them I went back and paced off the distance. It was just four hundred and thirty-one long paces; over four hundred yards. Both were large bucks and very fat, with the velvet hanging in shreds from their antlers, for it was late in August. The day was waning and we had a long ride back to the wagon, each with a buck behind his saddle. When we came back to the river valley it was pitch dark, and it was rather ticklish work for our heavily laden horses to pick their way down the steep bluffs and over the rapid streams; nor were we sorry when we saw ahead under a bluff the gleam of the camp fire, as it was reflected back from the canvas-topped prairie schooner, that for the time being represented home to us.

This was much the best shot I ever made; and

it is just such a shot as any one will occasionally make if he takes a good many chances and fires often at ranges where the odds are greatly against his hitting. I suppose I had fired a dozen times at animals four or five hundred yards off, and now, by the doctrine of chances, I happened to hit; but I would have been very foolish if I had thought for a moment that I had learned how to hit at over four hundred yards. I have yet to see the hunter who can hit with any regularity at that distance, when he has to judge it for himself; though I have seen plenty who could make such a long range hit now and then. And I have noticed that such a hunter, in talking over his experience, was certain soon to forget the numerous misses he made, and to say, and even to actually think, that his occasional hits represented his average shooting.

One of the finest black-tail bucks I ever shot was killed while lying out in a rather unusual place. I was hunting mountain-sheep, in a stretch of very high and broken country, and about midday crept cautiously up to the edge of a great gorge, whose sheer walls went straight down several hundred feet. Peeping over the brink of the chasm I saw a buck, lying out on a ledge so narrow as to barely hold him, right on the face of the cliff wall opposite, some distance below, and about seventy yards diagonally across

from me. He lay with his legs half stretched out, and his head turned so as to give me an exact centre-shot at his forehead, the bullet going in between his eyes, so that his legs hardly so much as twitched when he received it. It was toilsome and almost dangerous work climbing out to where he lay; I have never known any other individual, even of this bold and adventurous species of deer, to take its noonday siesta in a place so barren of all cover and so difficult of access even to the most sure-footed climber. This buck was as fat as a prize sheep, and heavier than any other I have ever killed; while his antlers also were, with two exceptions, the best I ever got.

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